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Commonwealth of Massachusetts

Department of Employment and Training

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Massachusetts Service Delivery Area Job Market Reports: **The Southern Worcester SDA**

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William F. Weld, Governor Daniel S. Gregory, Secretary of Economic Affairs Nils L. Nordberg, Commissioner of Employment and Training

Department of Employment and Training

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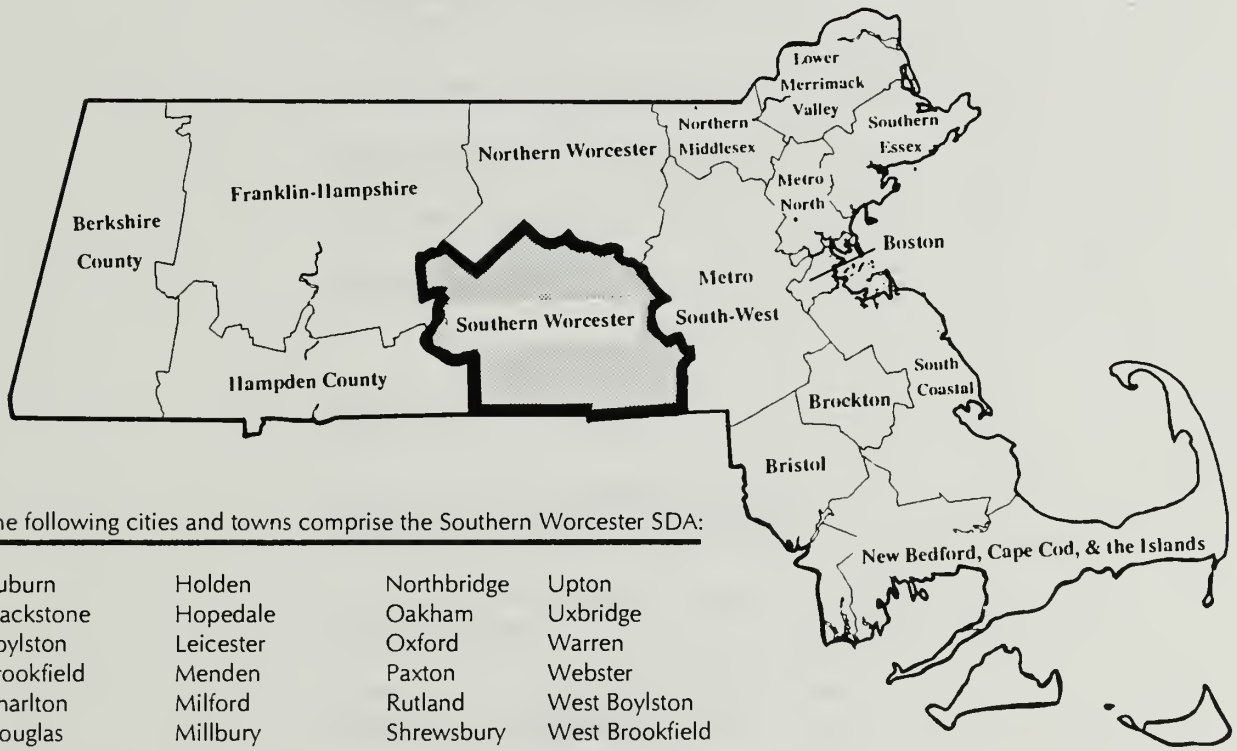

The following cities and towns comprise the Southern Worcester SDA:

Auburn	Holden	Northbridge	Upton
Blackstone	Hopedale	Oakham	Uxbridge
Boylston	Leicester	Oxford	Warren
Brookfield	Menden	Paxton	Webster
Charlton	Milford	Rutland	West Boylston
Douglas	Millbury	Shrewsbury	West Brookfield
Dudley	Millville	Southbridge	Westborough
East Brookfield	New Braintree	Spencer	Worcester
Grafton	North Brookfield	Sturbridge	
Hardwick	Northborough	Sutton	

Economic Research and Analysis
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Introduction: the SDA Job Market Reports

This report analyzes the economies and job markets of the Commonwealth's 15 Service Delivery Areas between 1984 and 1990. It examines the kind of jobs that local areas generated or lost over the period, the industries that make up the area, the average earnings of workers, the level of unemployment and education in the workforce, and the distribution of jobs by occupation.

This report provides an overview of the emerging economic forces changing the job market. Data on local area population, labor force, employment, unemployment, job growth, wages, and income are included as well as information on how to interpret and use the data.

This report also analyzes the occupational staffing patterns of local economies, publishing for the first time, a detailed occupational employment data base by SDA. Labor leaders, educators, human resource specialists, and Regional Employment Boards can use this data to:

plan and design education and training programs

study the geographical movement of jobs and workers within the state to relate the location and number of workers by occupation to demand.

assess and analyze the occupational composition of jobs and skill requirements within areas.

There are 15 Service Delivery Areas in Massachusetts, each profiled in a separate report. Each report, however, contains an overview of the economic growth in all service delivery areas. Refer to the appendix for a listing of the cities and towns comprising a service delivery area .

Service Delivery Areas were established under the provisions of the 1983 federal Job Training Partnership Act, to tailor the Commonwealth's employment and training programs to the needs of citizens in local areas. Some service delivery areas consist of a single county; others are comprised of two or more counties. The Boston Service Delivery Area is the only single-city SDA, while others cross county lines.

How to Interpret the Job Market and Use the Reports

This report is divided into two sections. Section I summarizes the changes in population, employment and unemployment in all 15 Service Delivery Areas, highlighting the geographic concentration of jobs by industry and occupation. Section II profiles the respective service delivery area and presents a detailed series of tables on the area's occupations and industries.

Table A in Section II lists the number of jobs by occupation and provides the percent distribution of the jobs within the area, highlighting the diverse occupational structure of the SDA. Occupations are grouped by skill level to allow comparisons of similar or related occupations.

Table B in Section II lists the industries where jobs are found in major occupations. Finally, Table C presents the number and type of jobs found in major industries in the local economy. Industries are defined in terms of the Standard Industrial Classification (SIC) system. A detailed description of the SIC, including industry definitions is contained in the *Standard Industrial Classification Manual, 1972* and the *1977 Supplement.*

How to Use the Data

The following sections briefly outline how to interpret and use the data.

Population

Population trends provide a measure of an area's economic stability. If an area has high unemployment and is losing its economic base, a decline in employment usually results in an eventual decrease in population and income. The opposite is generally true in areas with fast growing economies. The more jobs an area generates, the more people move into the area to seek employment. Population growth, however, can occur independently of employment in certain areas, particularly if the region is a retirement community.

Population changes from natural increases, the difference in the number of births and deaths, and migration, are identified in Table I. The 1980 and 1988 population estimates are from the Bureau of the Census. Natural increases are derived from the Massachusetts Department of Public Health's estimates of births and deaths. Net migration estimates are derived by subtracting the total net change in population from the natural increase.

Labor Force

The size and characteristics of the labor force determine the number and type of people competing for jobs. Changes in educational requirements, the size of the labor force, and the age structure affect employment opportunities.

Table I lists the total number of persons in the labor force, i.e., those that are either employed or unemployed. This count is residentially-based and includes self-employed and unpaid family workers in addition to wage and salary workers.

Growth vs. Number of Jobs

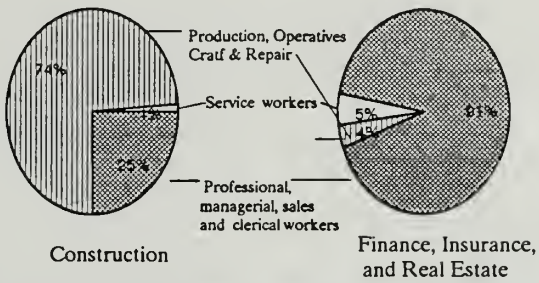
When assessing an area's economic viability, it is important to distinguish between an area's rate of job creation and the number of jobs generated. Even though an area has a fast rate of job growth it may generate fewer numbers of jobs than slow growing areas. For example, the Brockton Service Delivery Area had the second fastest job growth rate, but generated only 4.7 percent of the Commonwealth's jobs. Many of these jobs were low paying and decreased the area's percentage share of total state wages. By comparison, the city of Boston was the slowest growing area, with job growth averaging 0.7 percent per year. Nevertheless, because of its size it generated 7.6 percent of the state's jobs.

The industry employment data shown in Table 2 is compiled through the Department of Employment and

Training's Employment and Wage program. Employment in this context is the count of all persons on the payroll of establishments subject to the Massachusetts Employment Security Law. Employment data were not adjusted to account for such factors as noneconomic coding changes, Standard Industrial Classification code changes, or changes in the multi-location employer reporting. However, since the data are confined to SDAs and large industries and sectors, comparisons of broad economic trends can be made.

Chart 1: Industries Differ Substantially in the Kind of Workers They Employ

Percent Distribution of Wage & Salary Workers, 1987



Distribution of Jobs by Industry and Occupation

The number of jobs in an SDA depends in large part on the demand for goods and services produced by the area's industries. The growth or decline of an industry, however, has varying effects on individual occupations because industries employ different types of workers. Growth of manufacturing industries, for example, would tend to increase the employment of engineers, technicians and machine operators. In contrast, growth in the finance, insurance, and real estate industries would likely increase the employment of economists, financial analysts and sales and clerical workers.

The distribution of jobs by occupation in Tables 3, A, B and C is based on 1987 data collected by the Occupational Employment Statistics (OES) program, a Federal-State cooperative program. The OES data show how different industries, and different firms in the same industry employ workers in various skills. Over time the data can provide insights into how jobs are affected by technical advances, foreign competition, and shifts in the demand for goods and services.

Occupational staffing patterns are based on 1987 data. Over the short-term, occupational staffing patterns are not significantly affected by changes in the job market. Over the long-term, however, staffing patterns are affected by changes in technology and the number of new workers.

Occupational staffing pattern data were obtained for all industries, except for workers employed in agriculture, private households and the federal government. The industries covered in these tables thus account for 97 percent of all wage and salary workers.

Average Annual Wages

Average wage data give a comparative measure of how well jobs pay in specific areas and industries. The data, compiled through the Employment and Wage program, approximates an average annual wage by area and industry. It is computed by dividing total wages by the total number of workers employed.

Annual pay data only approximate annual earnings because an individual may not be employed by the same employer all year, or may work for more than one employer. Annual pay is also affected by the ratio of full-time to part-time workers as well as the number of individuals in high paying and low paying occupations. Industries characterized by high numbers of part-time workers, such as retail trade, show wage levels appreciably below other industries. The opposite effect characterizes industries with low percentages of part-time workers, or industries which typically have heavy overtime work. Average annual wage data may also be influenced by work stoppages, bonus and retroactive pay, and seasonal factors.

Average wages are computed by place of work. Therefore, the earnings of commuters who reside in one area and work in another, are counted in the area of employment.

Per Capita Income

Per capita income data give a comparative measure of the income of people living in the area versus wage data which reflect earnings of workers who are employed in the area but do not live there. It is computed by dividing total personal income, the sum of earned income from all sources, by the population. Total personal income includes wages and salaries, interest, dividends, and rents, social security etc. Data on per capita income is provided for counties only. It is included to give a more comprehensive picture of an area's economic well-being.

Overview: Job Trends in the SDAs

The Massachusetts economy performed well between 1984 and 1988. Job growth averaged 2.4 percent per year and average annual wages rose 31.1 percent to $24,150. (In terms of 1982-84 constant dollars wages rose 15.2 percent.) Unemployment stood at 3.3 percent, a level so low that some economists believed Massachusetts had reached full employment. In 1989 Massachusetts employment growth leveled off. Unemployment inched up to 4.0 percent, but it still ranked Massachusetts with one of the lowest jobless rates of the 11 large states. In 1990, however, the industries that generated the bulk of the jobs--construction, services, retail trade, finance, insurance and real estate--declined. Unemployment was up 50 percent from 1989, averaging 189,000 workers or 6.0 percent. Massachusetts' unemployment rate is now higher than the nation's, averaging 9.2 percent (287,000 unemployed workers) during first quarter 1991.

Much of the employment in Massachusetts is concentrated in relatively few metropolitan areas. During the eighties, however, the state's job growth was diversified, as the city of Boston recorded the slowest growth rate of the 15 SDA's. But what areas generated the most jobs between 1984 and 1989? What areas had fast growing economies, low levels of unemployment, and high wages? What areas lost the most manufacturing jobs during the period? Which recorded the highest rates of unemployment in 1990? The following tables show the trends that highlight the answers to these questions.

Population Growth

Table I identifies the SDAs that increased or decreased in population over the decade. It highlights the factors underlying population changes--the natural increase, or the net difference between the number of births and deaths that occurred

Table 1: Changes in Population, Employment, and Unemployment by Service Delivery Area
(Data based on residential counts)

	Berkshire County	Franklin Hampshire	Hampden County	Northern Worcester	Southern Worcester	Northern Middlesex	Lower Merrimack	Southern Essex
1980 Population (1)	145,110	216,696	443,018	208,324	454,116	226,991	260,893	372,795
1988 Population (1)	138,720	224,420	4- .950	225,650	471,300	244,320	279,100	375,180
Natural Increase (2)	2,014	6,631	17,123	13,861	18,521	16,186	14,825	11,202
Net Migration (3)	(8,404)	1,093	(10,191)	3,465	(1,337)	1,143	3,382	(8,817)
Total Net Change	(6,690)	7,724	6,932	17,326	17,183	17,329	18,207	2,385
1988								
Civilian Workforce	72,490	119,780	216,530	108,550	245,820	142,600	137,570	216,270
Employed	69,330	116,120	209,170	104,800	237,880	137,780	132,040	208,960
Unemployed	3,170	3,670	7,370	3,750	7,940	4,820	5,540	7,310
Unemployment Rate	4.4	3.1	3.4	3.5	3.2	3.4	4.0	3.4
1989								
Civilian Workforce	73,250	121,250	217,710	108,280	247,670	143,600	138,880	220,170
Employed	70,040	116,730	208,650	103,270	237,390	137,170	131,620	211,910
Unemployed	3,210	4,520	9,070	5,020	10,280	6,430	7,260	8,260
Unemployment Rate	4.4	3.7	4.2	4.6	4.2	4.5	5.2	3.8
1990								
Civilian Workforce	74,040	123,530	218,520	107,020	245,550	139,780	136,640	220,380
Employed	69,450	116,940	205,410	99,090	229,430	130,300	126,380	208,360
Unemployed	4.590	6,590	13,120	7,940	16,120	9,480	10,250	12,020
Unemployment Rate	6.2	5.3	6.0	7.4	6.6	6.8	7.5	5.5

(1) Estimates from the Bureau of the Census
(2) Derived from Mass. Dept. of Public Health's estimates of births & deaths
(3) Derived by subtracting total net change from natural increase

between 1980 and 1988; and the net migration, the number of residents that moved in or out of the area.

Statewide Population Growth

Most of the population growth in Massachusetts from 1980 to 1988 has been entirely driven by natural increases as opposed to increases in in the number of people moving into the state. From 1970 to 1980 Massachusetts' population expanded less than one percent; from 1980 to 1989, it grew 3 percent, slightly faster than the last 10 years. This growth, however, is still well below the 8.7 percent national average. Several factors explain Massachusetts' slow population growth.

While births have declined throughout the nation, the decline is more pronounced in Massachusetts. From 1960 to 1985, live births in Massachusetts declined 27 percent while nationally, live births declined 12 percent.

Migration out of Massachusetts has been substantial. From 1970 to 1980, 263,000 people left the state. Although the economy improved in the 1980s, Massachusetts still had a net out-migration of 66,800 people between 1980 and 1988.

Population Growth by SDA

Population changes among the SDAs varied. Population increased in 13 SDAs and declined in two. All SDAs had natural population increases, but only 5 SDAs--New Bedford, Cape Cod and the Islands, Northern Worcester,

Metro North	City of Boston	Metro South/West	South Coastal	Brockton	Bristol	New Bedford Cape & Islands	State of Massachusetts
725,993	562,994	797,325	453,042	212,705	304,053	353,041	5,737,096
705,680	577,830	808,700	467,410	216,640	311,600	393,200	5,889,700
15,891	26,362	28,788	15,854	13,766	13,217	5,213	219,454
(36,204)	(11,526)	(17,413)	(1,486)	(9,831)	(5,670)	34,946	(66,794)
(20,313)	14,836	11,375	14,368	3,935	7,547	40,159	152,603
396,940	302,660	464,570	248,250	115,820	159,210	207,470	3,155,000
385,960	292,340	454,110	240,640	111,570	152,370	198,270	3,052,000
10,980	10,330	10,470	7,610	4,250	6,830	9,200	103,000
2.8	3.4	2.3	3.1	3.7	4.3	4.4	3.3
399,080	304,160	466,910	250,080	117,250	162,310	209,190	3,180,000
385,830	292,240	454,010	240,570	111,810	153,590	198,130	3,053,000
13,250	11,920	12,900	9,500	5,440	8,720	11,070	127,000
3.3	3.9	2.8	3.8	4.6	5.4	5.3	4.0
397,070	302,530	462,940	250,000	116,820	162,050	209,250	3,166,000
377,300	285,790	443,990	235,230	108,550	148,350	192,340	2,977,000
19,780	16,740	18,960	14,780	8,270	13,700	16,900	189,000
5.0	5.5	4.1	5.9	7.1	8.5	8.1	6.0

Table 2: Job Growth in Service Delivery Areas by Sector, 1984-1989 *(Data based on Number of Jobs in Area)*

	Berkshire County	Franklin Hampshire	Hampden County	Northern Worcester	Southern Worcester	Northern Middlesex	Lower Merrimack	Southern Essex
Avg Annual Percent Change								
Total, all Industries	1.7	2.8	1.9	1.7	3.0	1.8	1.8	1.4
Construction	13.0	10.8	8.5	7.8	7.1	5.1	5.3	5.7
Manufacturing	-3.1	-2.3	-2.8	-3.3	-1.0	-2.6	-2.1	-3.6
Communications/Utilities	3.9	2.6	4.2	2.7	3.8	8.2	2.2	4.7
Wholesale Trade	-4.3	8.8	1.7	9.6	5.5	8.8	2.7	3.8
Retail Trade	2.7	4.5	3.0	3.3	3.6	2.1	2.7	1.1
Banks, Ins.& Real Estate	0.3	8.7	3.2	5.1	6.0	5.6	3.5	5.2
Services	4.5	4.5	4.0	5.6	5.3	6.9	5.6	4.8
Government	1.8	1.0	2.2	2.2	2.2	2.0	3.5	2.2
Net Change, 1984-1989								
Total, all Industries	5,000	10,380	18,070	6,510	30,680	8,420	9,980	11,100
Construction	1,770	1,420	2,530	1,030	2,430	840	940	1,520
Manufacturing	(2,480)	(1,670)	(6,550)	(4,130)	(2,650)	(4,850)	(4,750)	(6,700)
Communications/Utilities	320	300	1,640	330	1,630	1,280	420	1,010
Wholesale Trade	(450)	850	740	1,190	3,330	1,450	710	1,370
Retail Trade	1,690	3,300	5,710	2,190	6,880	1,770	2,330	2,170
Banks, Ins. & Real Estate	20	990	2,060	560	3,470	770	790	1,620
Services	3,550	4,150	8,590	3,810	12,560	5,750	6,750	8,150
Government	530	820	3,100	1,300	2,520	1,120	2,470	2,050
Percent Change, 1984-1989								
Total, all Industries	8.6	14.6	9.7	9.0	16.0	9.0	8.8	7.5
Construction	81.6	62.7	46.9	37.0	34.8	24.4	25.9	30.2
Manufacturing	-14.7	-11.0	-13.3	-15.4	-5.0	-12.4	-10.6	-17.0
Communications/Utilities	20.4	13.8	22.6	13.2	20.2	40.5	10.0	25.5
Wholesale Trade	-22.4	51.0	7.7	56.7	30.2	50.8	14.1	20.7
Retail Trade	13.8	24.3	16.1	17.6	19.4	10.9	14.1	5.7
Banks, Ins. & Real Estate	1.0	47.8	16.9	27.3	32.7	28.0	18.5	28.7
Services	24.2	24.3	21.6	30.8	29.3	39.1	31.1	26.3
Government	9.4	5.0	11.7	11.6	11.2	10.5	18.6	11.6

Lower Merrimack Valley, Northern Middlesex, and Franklin-Hampshire--had net in-migration.

Table 1 shows that New Bedford, Cape Cod and the Islands gained the most population over the decade, while Metro North and Berkshire County lost population. There are a number of reasons for population changes. One is that people move out of areas with weak job markets to where the jobs are. In Berkshire County and Metro North, job growth underperformed that of the state. But in New Bedford, Cape Cod and the Islands population growth primarily resulted from 34,946 people moving into the area. The area's economic boom, quality of life, and lower cost of living attracted them to seek employment or retire. The characteristics of this SDA therefore make economic analysis of the employment growth to population growth relationship more difficult.

A Note on Population Counts

At the time of this writing, 1990 Census data were not available. Some preliminary figures have since become available, showing a faster rate of growth between 1988 and 1990. Differences in the statewide rate of growth from 1980-1988 and 1980-1990, appear to be less than two tenths of a percentage point on an annualized basis. On an SDA basis, differences in the rate of change between the two figures appear to be most significant for only Bristol, Franklin-Hampshire, Metro North, and Southern Worcester. However, population counts for 1990 are preliminary and are subject to possible correction for undercounts or overcounts. The U.S. Department of Commerce is considering whether to correct these counts and will publish corrected ones if any, no later than July 15, 1991.

Labor Force and Employment

Table 1 also identifies the areas with the largest labor force and the most employment in 1988, 1989, and 1990. Some significant differences exist in the concept of employment. Because interurban commuting outside of many service delivery areas is common, residential and business growth often diverge. The data in table 1 are

Metro North	City of Boston	Metro South-West	South Coastal	Brockton	Bristol	New Bedford Cape & Islands	State of Massachusetts
1.3	0.7	2.0	3.3	3.0	2.1	2.3	1.8
5.7	3.1	5.2	8.1	6.6	11.8	6.4	6.1
-3.6	-7.0	-2.1	-5.4	-3.6	-3.1	-4.8	-3.6
4.7	-2.3	1.5	5.8	3.0	2.4	2.0	1.0
3.9	-4.7	6.4	4.8	10.2	8.5	7.0	3.9
1.1	-1.5	1.8	2.2	4.8	5.0	3.0	2.1
5.2	1.4	4.4	10.9	6.0	4.6	4.4	4.1
4.8	3.0	5.0	6.7	5.1	4.7	5.7	4.4
1.0	2.7	1.0	1.0	0.8	3.8	2.5	2.0
22,560	19,680	46,060	27,780	12,180	13,230	17,200	258,190
3,110	1,670	3,980	3,630	1,150	2,280	1,990	30,430
(26,530)	(14,220)	(14,230)	(6,860)	(2,610)	(7,060)	(6,450)	(112,440)
(1,120)	(4,140)	1,030	1,760	670	420	660	5,680
8,920	(5,630)	10,770	2,120	2,390	2,600	1,540	31,580
4,980	(4,610)	7,030	4,950	4,660	6,270	5,970	55,930
6,950	5,110	4,680	7,960	960	1,110	1,310	38,730
24,380	29,040	29,960	12,490	4,190	4,880	9,310	167,370
1,540	12,370	2,460	900	490	2,580	2,410	36,540
6.5	3.7	10.2	17.7	16.1	11.1	12.1	9.2
23.8	15.6	25.7	43.7	35.2	67.0	31.6	31.6
-32.6	30.4	-10.3	-24.6	-17.0	-14.8	-21.8	-16.7
8.4	-11.1	7.1	31.5	14.8	12.2	10.0	4.8
40.9	-21.8	35.7	26.4	60.6	48.2	39.8	21.0
8.2	-7.3	9.1	11.5	26.5	27.1	15.8	11.1
57.7	6.9	23.8	65.8	33.7	25.0	23.2	22.1
21.3	15.6	27.7	38.2	28.3	26.0	32.0	23.7
5.3	14.2	5.2	4.9	3.8	20.2	12.9	10.4

residentially based, so heavily populated areas usually have the largest labor force and employment. The data in tables 2, 3, and 4 are employer based. These tables represent employment changes in business establishments within an area.

Massachusetts' civilian labor force grew by 10.9 percent or by 313,000 between 1980 and 1989. Women accounted for 80.2 percent of the increase. Hurt by slow population growth, Massachusetts' labor force growth lagged behind the 15.8 percent national average growth rate recorded for the same period. In 1990, however, the Massachusetts labor force declined marginally to 3,166,000, a loss of 14,000 workers from 1989.

Over half of Massachusetts' labor force resided in 5 SDAs and more than a third lived in just three of these SDAs--Metro South-West, Metro North, and the City of Boston.

Metro South-West, the area bounded by Route 128 and Interstate 495, has the largest and most educated labor force in the state. In 1990 it accounted for approximately 15 percent of the state's labor force and employment. Metro North and the City of Boston, the second and third largest SDAs in terms of population and employment, accounted for 12.6 and 9.6 percent of Massachusetts employment, respectively.

South Coastal and Southern Worcester, the fourth and fifth largest SDAs, each accounted for about 8 percent of Massachusetts' employment. Berkshire County, the state's smallest SDA in terms of population, labor force, and employment had only 2.3 percent of the state's employment.

Unemployment

Table I also shows the distribution of unemployment and the jobless rates among the 15 SDAs. Bristol, New Bedford, Cape Cod and the Islands, and Lower Merrimack Valley, areas with nondiversified economies, had among the highest rates of unemployment in the state in 1988, 1989, and 1990. In 1990, Bristol's and New Bedford, Cape Cod and the Island's jobless rate topped 8.0 percent. Despite problems in its high technology industries, Metro South-

Table 3: Distribution of Jobs in Service Delivery Areas by Industry & Occupation

	Berkshire County	Franklin Hampshire	Hampden County	Northern Worcester	Southern Worcester	Northern Middlesex	Lower Merrimack	Southern Essex
Industrial Distribution								
Total Jobs	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Construction	5.9	4.5	3.9	4.8	4.2	4.2	3.7	4.1
Manufacturing	22.9	16.6	20.8	29.0	22.8	33.8	32.4	20.4
Communications/Utilities	3.0	3.0	4.4	3.5	4.4	4.4	3.7	3.1
Wholesale Trade	2.5	3.1	5.0	4.2	6.5	4.2	4.7	5.0
Retail Trade	22.2	20.7	20.2	18.5	19.0	17.7	15.3	25.2
Banks, Ins. & Real Estate	4.0	3.8	7.0	3.3	6.3	3.4	4.1	4.5
Services	28.9	26.0	23.6	20.4	24.9	20.1	23.0	24.5
Government	9.9	21.2	14.5	15.9	11.3	11.5	12.7	12.3
Occupational Distribution								
Total, all Occupations	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Managerial & Executive	8.8	8.7	7.7	8.6	8.6	9.0	8.0	8.6
Prof. & Technical	19.9	21.8	16.7	14.8	18.9	23.3	20.7	16.6
Marketing & Sales	12.0	10.6	13.7	11.5	12.6	13.1	9.8	14.0
Clerical & Administrative	14.8	15.2	17.3	15.3	18.0	16.8	16.6	16.6
Service	16.9	17.9	15.6	13.3	15.0	12.4	13.9	17.5
Prod, Const Wkrs/Operators	27.7	25.8	29.0	36.5	26.9	25.4	30.9	26.8

West continues to have the lowest unemployment rate in Massachusetts, helped along by a low population growth rate, about half that of the state.

Job Growth

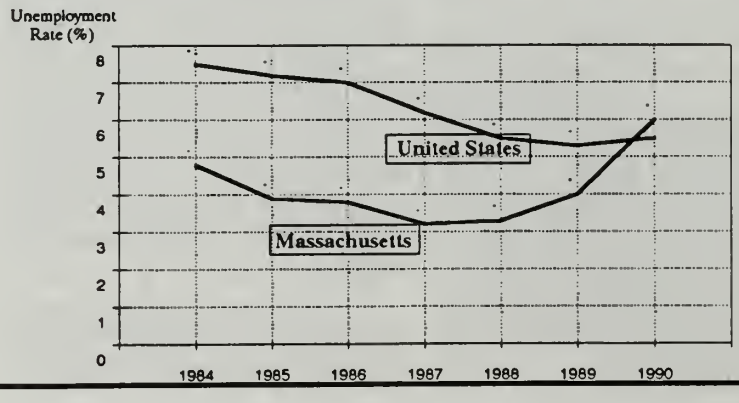
Table 2 details the economic growth within each SDA over the 1984-1989 period. It identifies the average yearly change in industry employment levels among the SDAs, the number of jobs generated or lost by each industry over the 5 year period, and the percent change in industry employment levels between 1984 and 1989.

It is important to note that annual 1990 SDA job data are not available at the time of this writing. However, statewide job losses for 1990 totalled 125,700, the highest ever recorded. This downward trend is expected to continue well into 1991.

Metro South-West generated over 46,000 jobs, the most of any SDA between 1984 and 1989. Southern Worcester generated 30,680 jobs, the second largest number. This is significant because Southern Worcester is only one-half the size of Metro South-West, in terms of total number of jobs. South Coastal, benefiting from the expansion of office employment and its proximity to Boston, generated 22,560 jobs, the third largest number of jobs and the fastest rate of growth at 17.7 percent. In total, these three SDAs accounted for over 38 percent of the Commonwealth's jobs between 1984 and 1989. Boston, the state's capital and largest SDA, generated 19,675 jobs, less than half the number Metro South-West created. Job growth averaged 0.7 percent per year in Boston, the lowest of Massachusetts' SDAs.

Service industries generated the bulk of the SDAs' jobs over the period. Only in Brockton and Bristol, areas

Chart 2: Unemployment rates decreased between 1984 and 1987 in Massachusetts, while they continued to fall in the US until 1989.



Metro North	City of Boston	Metro South-West	South Coastal	Brockton	Bristol	New Bedford Cape & Islands	State of Massachusetts
100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4.4	2.2	3.9	6.4	5.0	4.3	5.2	4.2
14.9	5.9	24.7	11.3	14.4	30.6	14.6	18.3
3.3	6.0	3.1	4.0	5.9	2.9	4.6	4.1
8.3	3.7	8.2	5.5	7.2	6.0	3.4	6.0
17.8	10.7	16.8	26.0	25.3	22.1	27.6	18.4
5.1	14.4	4.9	10.8	4.3	4.2	4.4	7.0
37.5	39.0	27.7	24.4	21.6	17.8	24.2	28.6
8.2	18.0	9.9	10.3	15.4	11.5	13.3	12.8
100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
9.4	9.6	9.2	9.0	7.9	7.5	8.8	8.4
21.4	25.9	23.0	16.3	16.1	14.4	15.3	22.2
12.6	9.6	12.7	15.4	13.6	12.6	13.6	11.7
19.9	24.3	18.1	20.0	18.9	15.9	15.7	18.7
14.3	16.9	14.2	16.1	15.4	14.6	19.5	16.0
22.4	13.7	22.8	23.2	28.2	35.5	27.1	23.0

with high concentrations of retail trade industries, did the retail trade sector generate more jobs than service industries.

The mix of service industries within each SDA varies. Boston, Metro South-West, and Metro North have the highest concentrations of high technology service industries in the Commonwealth. In these 3 SDAs, annual service industry wages approximated $27,000, significantly higher than other SDA's (see table 4). For example, Bristol, Northern Worcester, and Franklin-Hampshire, with smaller concentrations of business service industries, have average annual service industry wages that are only 66 percent of Boston, Metro South-West and Metro North.

The plight of the state's manufacturing sector is also very visible in table 2. Manufacturing employment declined in every SDA over the 1984-1989 period. However, the biggest losses of manufacturing jobs have been in Metro North which lost 26,530 jobs; Metro South-West which lost 14,230 jobs; and the City of Boston which lost 14,220 jobs.

Job Distribution by Industry and Occupation

Table 3 shows the distribution of jobs by industry sector and occupational group in the state's 15 SDAs. These tables highlight the geographic differences in the structure of each local area's economy and job market. In the city of Boston, for example, fewer than 6 percent of the jobs are in manufacturing industries. In contrast, almost a quarter of the jobs in Metro South-West and over a third of the jobs in Northern Middlesex are in manufacturing.

The mix of industries and the structure of an area's economy directly influences the number and types of jobs found within the SDA. The distribution of jobs in major occupational categories in table 3 illustrates this point. In Berkshire County, for example, approximately 23 percent of the workforce is employed in manufacturing industries, compared to 18 percent statewide. Because an above average number of manufacturing jobs are concentrated in Berkshire County, a greater percentage of the workforce has jobs in production, construction and operating occupations than statewide (28% vs 23%). Similarly, because Berkshire County is not a major banking and insurance center, approximately 15 percent of the SDA's workers have office jobs in clerical occupations, compared to 19 percent statewide.

The distribution of jobs by occupation is based on 1987 data, collected from the Occupational Employment Statistics Survey. Changes in industry structure since 1987 do not significantly affect an area's occupational staffing patterns. Over the long term, however, occupational staffing patterns do change with the advances of technology and supply of new workers.

When reviewing the data in table 3 and tables A, B and C of this report it is important to remember that labor markets for a particular occu-

Table 4: 1989 Average Annual Wages by SDA and Industry

	Berkshire County	Franklin Hampshire	Hampden County	Northern Worcester	Southern Worcester	Northern Middlesex	Lower Merrimack	Southern Essex
Total, all Industries	$21,736	$20,253	$21,683	$21,486	$23,002	$26,241	$24,017	$22,964
Construction	25,773	24,628	28,663	25,645	27,444	27,341	28,270	27,525
Manufacturing	31,263	25,813	27,554	27,630	30,368	35,339	29,746	33,533
Communications/Utilities	22,544	25,654	26,317	21,110	28,219	22,459	29,672	25,602
Wholesale Trade	27,853	23,947	26,759	26,563	27,727	31,911	32,433	31,899
Retail Trade	12,158	11,282	12,045	12,015	12,432	13,433	12,554	12,916
Banks, Ins. & Real Estate	25,548	20,241	26,010	21,010	25,847	25,222	22,964	25,008
Services	19,090	18,778	19,635	18,139	19,872	21,959	20,740	19,862

pation may cover areas wider than those defined by the SDAs. Many professional occupations, for example, have national labor markets.

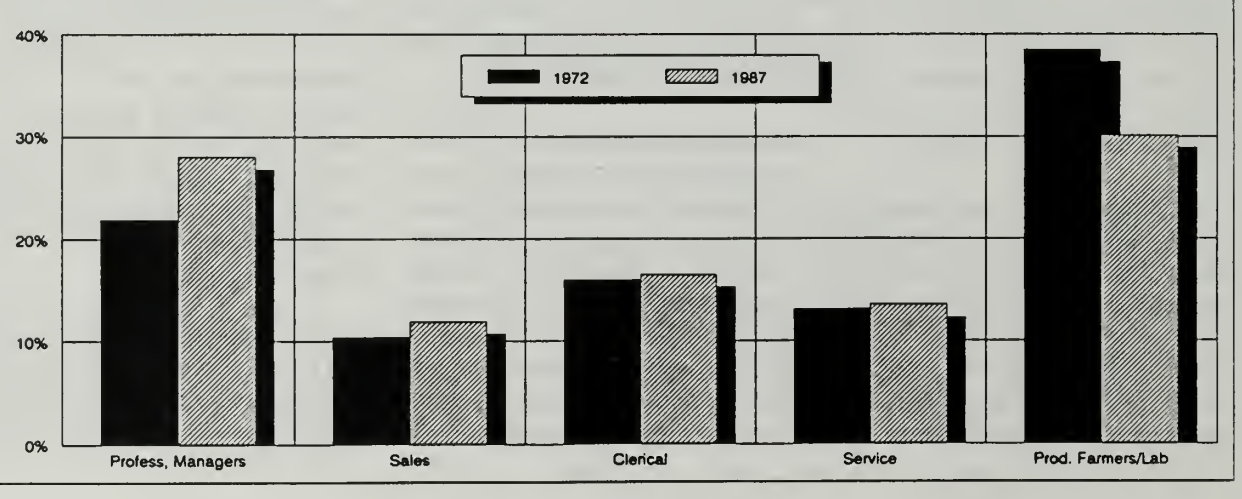
Average Annual Wages

Table 4 lists the average annual wage in each SDA by industry sector. The average industry wage gives a comparative measure of the industry's pay scale . Compiled through the Employment and Wages program, the data approximates an average annual wage for all workers in the industry. It is computed by dividing the total industry wages by the total number of workers, regardless of part-time or seasonal status.

Given the concentration of banks, law firms, insurance and real estate companies, and high tech industries in Boston, wages here are the highest in the state ($29,810), followed by Metro South-West ($28,685), and Metro North ($26,644). The high concentration of seasonal jobs in New Bedford, Cape Cod and the Islands contributed to this SDA's reporting the lowest wages in the state ($19,210).

Wages vary within sectors, depending upon the mix of industries located within the SDA. Given the concentration of computer firms in Metro South-West and Northern Middlesex, for example, the manufacturing wages reported in each of these areas are the highest in the state. In contrast, given the concentration of the low paying apparel

Chart 3: The percentage share of employment in the US is rising the fastest in occupational groups requiring the most education and decreasing in occupations requiring less education



Metro North	City of Boston	Metro South-West	South Coastal	Brockton	Bristol	New Bedford Cape & Islands	State of Massachusetts
$26,644	$29,810	$28,527	$22,685	$22,568	$20,306	$19,210	$25,220
31,948	35,439	31,775	30,861	29,601	25,010	24,454	29,554
31,688	31,345	36,854	27,016	24,625	23,443	22,333	30,926
30,025	36,196	29,273	31,008	27,067	27,156	25,486	29,889
34,402	34,227	38,408	30,622	29,729	26,733	23,015	32,779
14,747	15,128	15,683	14,238	14,687	12,151	12,743	13,775
26,747	41,550	27,903	26,185	23,572	19,493	22,079	31,525
27,332	27,678	26,609	20,528	20,162	17,916	18,465	24,010

and needle trade industries in Bristol and New Bedford, manufacturing wages here are the lowest in the state.

The same can be said of service industry wages. The city of Boston and Metro North have the highest paying service industries in the state. The average worker employed in Boston's service industries earned $27,678 in 1989, the highest in the state. Similarly, due to the concentration of high paying engineering, management and research firms in the service industries in Metro North, the area is the only SDA where the average service wage is higher than the average for all wages ($27,332 vs. $26,644).

Education's Importance

With the economy currently restructuring, occupational growth will certainly be affected, since each industry requires a different mix of occupations to produce its goods and services. An analysis of the kinds of jobs generated in the United States between 1972 and 1987 shows that, in general, employment increased the fastest in occupational groups requiring the most education and decreased in occupations requiring less education. In 1972 managerial, executive and administrative occupations were 8.9 percent of all jobs. By 1987, their share increased 2.9 percentage points to 11.8 percent. In contrast, the share of low skilled occupations such as operators, fabricators, and laborers decreased 6 percentage points. In 1972 they were 21.2 percent of all jobs--the largest occupational share--but by 1987 they were only 15.2 percent of all jobs. These trends are expected to continue in the 1990s.

Education and Jobs in Massachusetts

Despite Massachusetts' recent downturn in employment , the educational requirements in the emerging job market will continue to be more heavily geared toward those jobs requiring either college or post secondary training.

The Southern Worcester Service Delivery Area

Economic Overview

Southern Worcester had the third fastest growing economy of Massachusetts' 15 SDAs between 1984 and 1989, benefitting from its lower land costs and centralized location 40 miles from Boston and Providence and 60 miles from Hartford. During the Massachusetts economic boom, Southern Worcester's employment expanded 3.0 percent per year, faster than the 1.8 percent statewide expansion, and generated 30,670 jobs, 12 percent of the Commonwealth's new jobs. Southern Worcester's economic expansion halted in 1989, however, when the Massachusetts economy began to decline. The SDA's employment dropped 1.2 percent, faster than the 0.7 percent statewide loss. As in Massachusetts, job losses in Southern Worcester were much greater in 1990.

In the 1960s and 1970s, Southern Worcester's industrial mix was typical of well-established urban areas where manufacturing accounted for the most jobs and trade was the second largest industry. However, manufacturing's foothold in Southern Worcester began to wane over the 1984-1989 period, as service industries surpassed manufacturing and accounted for the most jobs. Between 1984 and 1989, however, Southern Worcester had the lowest rate of manufacturing job losses among Massachusetts' 15 SDAs. Since high tech manufacturing accounts for only 28 percent of the manufacturing base here, compared to 41.1 percent in Massachusetts, Southern Worcester was less susceptible to the decreases in demand for high tech goods.

Approximately, 70 percent of Southern Worcester's manufacturing is concentrated in durable goods; expensive equipment highly affected by recessions, defense spending, and the value of the dollar. Because manufacturing still accounts for a larger share of employment here than in Massachusetts, jobs in production, construction, assembly, and machining occupations account for a greater percentage share of the jobs in Southern Worcester than is typically found in the state.

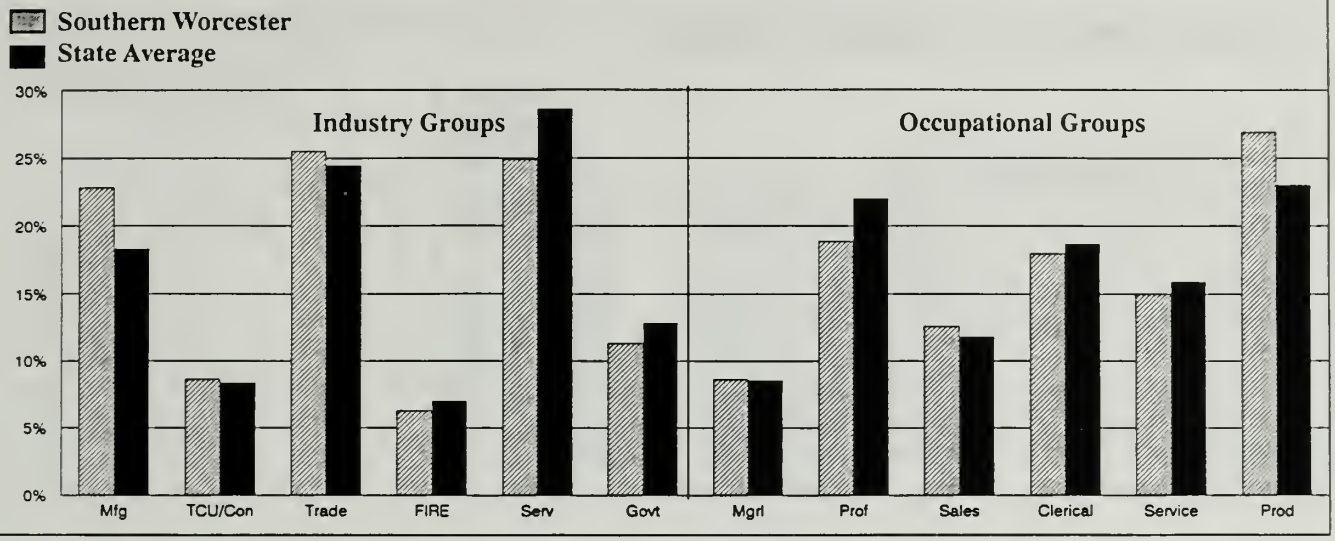
Economic Base

Southern Worcester's economic base consists of a diverse set of industries and economic activities. Foremost among these is manufacturing. In 1984 manufacturing was the largest sector of the economy, employing 27.8 percent of the area's workforce. By 1989 manufacturing's percentage share of total employment declined marginally to 22.8% and no longer accounted for the most jobs. Service industries, with 24.9 percent of employment, have edged out manufacturing as the SDA's principal employer.

Definition of Area

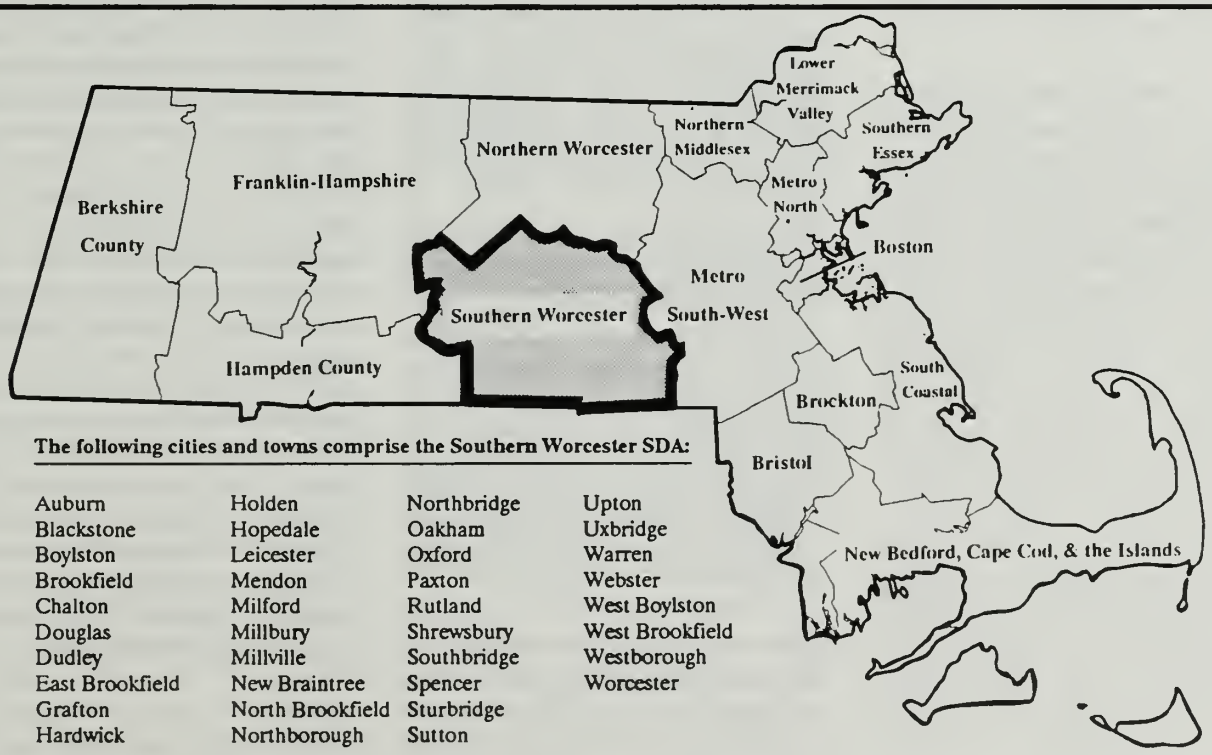
Located in central Massachusetts, the Southern Worcester SDA contains 38 cities and towns including Worcester, the second largest city in Massachusetts. It is the fourth largest SDA in the state, comprising 7.3 percent of employment, and 9.1 percent of manufacturing statewide.

Distribution of Employment by Industry and Occupation



Service industries encompass a wide range of economic activities such as business, health, education, recreation, and management consulting. Despite this diversity, service industries can be divided into two categories: services sold for consumer use, and services used by businesses in the production of goods and services.

Service industries catering to local consumer markets account for a greater percentage of employment in Southern Worcester's economy than in Massachusetts'. Establishments providing services for the local population such as personal care, health, repair, amusement, and education account for 66.2 percent of Southern Worcester's service sector base, compared to 59.7 percent in Massachusetts. In contrast,



The following cities and towns comprise the Southern Worcester SDA:

Auburn	Holden	Northbridge	Upton
Blackstone	Hopedale	Oakham	Uxbridge
Boylston	Leicester	Oxford	Warren
Brookfield	Mendon	Paxton	Webster
Chalton	Milford	Rutland	West Boylston
Douglas	Millbury	Shrewsbury	West Brookfield
Dudley	Millville	Southbridge	Westborough
East Brookfield	New Braintree	Spencer	Worcester
Grafton	North Brookfield	Sturbridge	
Hardwick	Northborough	Sutton	

Employment in Major Groups

(Note employment levels exclude fereral government, private households and agricultural workers)	Employment	Percent Distribution SDA	Percent Distribution State Average
Total, all Occupations	214,495	100.0	100.0
Prod/Construction Wkrs & Operators	57,410	26.9	23.0
Professional & Technical Workers	40,665	18.9	22.0
Clerical Workers	38,665	18.0	18.7
Service Workers	32,265	15.0	15.9
Sales Workers	27,040	12.6	11.8
Managers & Executives	18,460	8.6	8.5

legal, business, accounting, high tech and other professional services which primarily serve businesses, make up 33.8 percent of this SDA's service industry employment compared to 40.3 percent statewide. In total, service industries employ the largest number of workers in Southern Worcester (55,430), but comprise a smaller share of employment here overall than in Massachusetts (24.9% vs 28.6%).

Service industries accounted for 65 percent of the jobs generated in Massachusetts between 1984 and 1989 but only 40 percent of Southern Worcester's jobs. What accounts for this difference? High tech service industries account for 6 percent of Southern Worcester's service sector, but 11 percent of Massachusetts'. Demand for engineering, computer and data processing, and research and testing services increased rapidly over the decade, faster than the overall service sector. Since these industries comprise a smaller share of Southern Worcester's total employment, they accounted for a correspondingly smaller number of jobs. The growth of Southern Worcester's service industries is therefore more closely related to the pace of local economic development and population growth than is Massachusetts as a whole.

Manufacturing employs the second largest number of workers in Southern Worcester (50,780), but accounts for a greater share of total employment in the SDA than in Massachusetts (22.8% vs 18.3%). Manufacturing in Southern Worcester, however, is not as diverse as that in Massachusetts. High tech manufacturing accounts for only 28 percent of Southern Worcester's manufacturing base compared to 41.1 percent statewide, and durable goods manufacturing alone comprises 70 percent of the SDA's manufacturing compared to 66.4 percent of the state's.

Manufacturers in Southern Worcester primarily produce industrial materials and components such as screw machine products, fastners, valves, pipe fittings, ball and roller bearings, abrasives, grinders, machine tools, pumps and pumping equipment, and nonferrous forgings. These highly cyclical industries account for 30.8 percent of Southern Worcester's manufacturing base compared to 10 percent in Massachusetts.

Southern Worcester's manufacturing employment declined 5 percent between 1984 and 1989, much lower than the 16.7 percent average drop in the state as a whole. What accounts for this? One possible reason is that Southern Worcester's metal working industries benefitted from both defense contracts and the lower value of the dollar during the past three years. Another possibility is that manufacturers modernized their operations and adapted their technologies when the dollar was high. The third possible reason is that since high tech manufacturing comprises a smaller percentage share of Southern Worcester's economic base than the state, the area was less susceptible to the decreases in demand for many high tech goods.

Retail trade employs the third largest number of workers in Southern Worcester (42,330), and accounts for a slightly greater share of total employment here than in the state as a whole (19.0% vs. 18.4%). Retail trade accounted for 22 percent of the jobs generated in both the state and SDA between 1984 and 1989. Eating and drinking places, however, the largest retail trade industry in both Southern Worcester and Massachusetts, accounted for a much smaller percentage of jobs in Southern Worcester than in Massachusetts (7% vs 22%).

Retail trade had been one of the fastest growing industries during the eighties

Top Ten Occupations and Industries with the Largest Employment

Top Ten Occupations

General Managers & Top Executives	7,610
Cashiers	5,930
Secretaries	5,505
General Office Clerks	5,030
Helpers & Laborers, nec	4,875
Waiters and Waitresses	4,795
Bookkeepers & Auditing Clerks	4,120
Registered Nurses	3,715
Clerical Supervisors	3,140
Nursing Aides	3,040

Top Ten Industries

Eating & Drinking Places	12,320
Elementary & Secondary Schools, public & private	10,110
Hospitals, public & private	11,125
Local Govt, exc. Schools & Hospitals	7,240
Grocery Stores	6,660
Computer & Office Equipment	5,630
Nursing & Personal Care Facilities	5,230
Colleges and Universities, public & private	5,000
Life Insurance Companies	4,050
Personnel Supply Services	3,940

before levelling off in 1989 and declining in 1990. Over the decade, retail trade's growth is expected to slow as population and labor force growth slows, limiting the demand for many retail goods.

Construction; transportation; communications and utilities; and wholesale trade each represent less than 7 percent of employment in Southern Worcester, about the same percentage as in Massachusetts. These industries accounted for 24 percent of the jobs generated over the 1984-1989 period compared to 26 percent statewide. The growth of these industries closely corresponds to local factors such as business development and population and labor force growth.

Finance, insurance and real estate companies represent another 6.3 percent of the SDA's employment. Statewide, finance, insurance and real estate accounts for 7 percent. Growth of finance, insurance and real estate is also dependent on the local factors named above. In Massachusetts, finance, insurance and real estate accounted for 15 percent of the net new jobs generated between 1984 and 1989, while in Southern Worcester they accounted for only 11 percent.

Occupational Composition

Due to the large number of manufacturing establishments in Southern Worcester, production and construction workers, mechanics, assemblers, helpers and laborers hold the most jobs (57,410 or 26.9 percent). This percentage share is significantly higher than the 23 percent employment concentration found in Massachusetts.

The second largest number of jobs in Southern Worcester is found in professional and technical occupations, but because high tech industries account for a smaller percentage share of employment here than in the state, professional and technical jobs comprise 19 percent of all jobs compared to 22 percent in Massachusetts.

Clerical and administrative workers are the third largest jobholders in both Southern Worcester and Massachusetts with approximately 18 percent. Jobs in food, health, and other service occupations comprise another 15 percent of the SDA's jobs, about the same percentage share as in the state. Sales workers and managers and executives in Southern Worcester represent 12.6 percent and 8.6 percent of employment, respectively. Sales jobs account for a slightly greater share of jobs in Southern Worcester than in Massachusetts because of the larger concentration of retail trade establishments in the SDA.

Employment in Major Groups

The following sections summarize employment in occupations with the largest number of jobs within each major occupational category.

Managerial and Executive Occupations

Managers and executives hold 18,460 jobs or 8.6 percent of the jobs in Southern Worcester. Statewide, managers and executives hold approximately the same share of jobs (8.5%). About 31 percent of managers and executives in Southern Worcester are managers of finance, personnel, purchasing, marketing, administrative services, and engineering. Another 16.5 percent hold middle-management jobs in education, medicine and health, manufacturing, construction, real estate, utilities, and food service. General managers and top executives, however, whose jobs are too diverse and general in nature to be classified in any functional or line area of management and administration, account for the most jobs, 41.2 percent.

Labor Force, Employment and Unemployment

	Labor Force	Employed	Unemployed	Unemployment Rate SDA	Unemployment Rate State Average
1983	228,600	210,790	17,810	7.8	6.9
1984	227,650	216,790	10,860	4.8	4.8
1985	229,670	220,880	8,800	3.8	3.9
1986	234,490	225,550	8,950	3.8	3.8
1987	238,380	231,020	7,350	3.1	3.2
1988	245,820	237,880	7,940	3.2	3.3
1989	247,670	237,390	10,280	4.2	4.0
1990	245,550	229,430	16,120	6.6	6.0

Professional and Technical Occupations

Professional and technical workers numbering 40,665 have 19 percent of the jobs in the Southern Worcester SDA. Teachers, educators, and instructors account for the largest number of professional and technical jobs (10,735), or 26.4 percent. Preschool, kindergarten, and elementary and secondary teachers account for 42.7 percent of the jobs in this group. College and university professors comprise another 26 percent, while librarians, teacher aides and counselors account for the bulk of the remaining teaching jobs.

Health practitioners, technologists and technicians have 9,955 jobs, the second largest number of professional and technical jobs in the SDA. Registered nurses, one of the largest occupations in both the SDA and state, account for 37 percent of the jobs in health diagnosing and treating occupations.

Engineers and engineering technicians account for the third largest group of professional and technical workers with 6,020 jobs, or 14.8 percent of employment. Electrical and electronic engineers have the greatest number of jobs, followed by electrical and electronic technicians. Accountants, auditors and other financial specialists; purchasing agents and buyers; personnel, training and labor relations specialists; and other management support workers are almost as numerous, with a combined total of 5,905 jobs, or 14.5 percent.

Sales Occupations

Sales workers comprise 12.6 percent of the employment in Southern Worcester compared to 11.8 percent in Massachusetts. Retail trade sales representatives, cashiers, counter and rental clerks and stock clerks hold approximately 63.5 percent of the sales jobs. Insurance sales agents, sales engineers and manufacturing and wholesale trade sales representatives account for the bulk of remaining sales employment.

Clerical Occupations

The 38,655 clerical workers in Southern Worcester hold 18 percent of the jobs. Secretaries, bookkeepers, receptionists, and other general office workers account for over half of the employment. Shipping and receiving clerks, order clerks, warehouse stock clerks, and production, planning and expediting clerks hold another 3,855 jobs, or 10 percent.

Service Occupations

Jobs in food service occupations account for 46.7 percent of the 32,265 service occupation jobs in Southern Worcester. Jobs in health service occupations account for the second largest share of service jobs (16.2 percent). Building maintenance workers and health and personal service workers such as nursing aides, home health aides, janitors and cleaners, and cosmetologists comprise another 36 percent of employment in service occupations. Protective service workers such as security guards, correction officers, police detectives and patrol officers, and fire inspectors account for the bulk of remaining service jobs.

Production, Construction and Machining Occupations

In Southern Worcester, production and construction workers, repairers, operators and laborers hold the most jobs, 57,410, or 26.8 percent. Machine setters, set-up operators, operators and tenders are the largest jobholders in this group with 22.4 percent. Mechanics and installers, and helpers and laborers each comprise another 14.9 percent. Transportation and material-moving equipment operators such as truck and bus drivers, service station

attendants, operating engineers, and industrial truck and tractor operators hold the fourth largest number of jobs, accounting for 14.5 percent of employment. The fifth largest employment category, construction trades workers, hold 5,465 jobs or 9.5 percent. Assemblers and other hand workers and precision production workers comprise 7 and 7.7 percent of employment, respectively. Supervisors and inspectors, with 5.7 and 2.5 percent of employment, respectively, account for the remaining employment.

Population

Increases or decreases in population can mirror changes in local job opportunities. Population in Southern Worcester increased 3.8 percent between 1980 and 1988[1], faster than the 1.7 percent growth rate recorded from 1970 to 1980. As Southern Worcester's economy improved, population increased from 454,115 in 1980 to 471,300 in 1988. Most of this population growth, however, stemmed from an increase in births over deaths, as 1,337 people moved out of the area between 1980 and 1988.

Approximately 34.7 percent of the SDA's population resides in Worcester, Massachusetts' second largest city. Between 1980 and 1988 Worcester's population declined 3.5 percent. Population increased, however, in the SDA's southeastern communities with access to Route 128 and Interstate 495, site of many the state's high tech manufacturing firms. Some of the towns gaining 1,000 or more residents included: Blackstone (1,330), Charlton (2,101), Grafton (1,022), Milford (1,230), Northborough (1,042), Oxford (1,170), Spencer (1,236), Sturbridge (1,744), Sutton (1,165) Uxbridge (9,440), and Webster (1,560).

Labor Force/Unemployment

Growth in Southern Worcester's labor force exceeded its population growth rate during the eighties. Fueled by increases in defense spending, the aging of the "baby boomers," and dramatic increases in the percentages of women looking for work, the labor force increased 12.8 percent, from 219,560 in 1980 to 247,670 in 1989. In 1990, however, the labor force declined to 245,550 as unemployment rose sharply and discouraged new workers from entering the labor market.

Much of the growth or decline in a local labor force is attributable to the economy and the unemployment situation. With jobs increasing faster than the number of job seekers, unemployment rates in Southern Worcester remained at or below the state average for most of the decade.

However, calendar year 1987 marked the end of declining unemployment. In 1988 and 1989 both the number of unemployed workers and the jobless rate increased. The jobless rate, however, remained at or near the state level. In 1990 Southern Worcester's employment declined more significantly and the jobless rate rose sharply to 6.6 percent, more than half a percentage point above the state rate.

Wages/Income

Southern Worcester has the sixth highest wages among Massachusetts' 15 SDAs. In 1989, the average annual wage for all workers in Southern Worcester covered by unemployment insurance was $23,002, 91.2 percent of the statewide average ($25,220).

Because of the comparatively lower number of jobs lost in manufacturing, the highest paying industry in the SDA, Southern Worcester's wages did not decrease over the 1984-1989 period as a percentage of total state wages. The average manufacturing wage paid in Southern Worcester is $30,368. Had Southern Worcester's manufacturing jobs declined more sharply, and were more jobs created in lower paying service and retail trade industries, Southern Worcester's wages would have decreased as a percentage of total state wages.

Wages in Southern Worcester vary by industry. Manufacturing wages are the highest, followed by transportation, communications and utilities ($28,219), wholesale trade ($27,727), construction ($27,444), finance, insurance and real estate ($25,847), services ($19,872) and retail trade ($17,432).

Other income statistics for Southern Worcester are not comparable geographically to the SDA. However, per capita income levels for Worcester County include the income received by Southern Worcester's residents.

In 1988, the latest year for which figures are available, Worcester County's $19,052 per capita personal income, ranked it the ninth highest out of the state's 14 counties and was 91 percent of the state average ($20,836), slipping from 1978 when it ranked eighth. How did this occur?

In Worcester County, earnings account for 72.4 percent of total personal income compared to 70.4 percent in Massachusetts. In 1978, durable goods industries accounted for 28.7 percent of all earnings and service industries for 15.4 percent. These shares reversed however, in 1988. Earnings from durable goods industries now make up less of a share of total earnings (20.6%), while earnings from services account for more (23.5%). Service industry wages also comprise a greater share of the state's earnings. But because Worcester County does not have as large a concentration of high tech service industries as the state, this industrial restructuring contributed Worcester County's lowered 1988 per capita personal income ranking.

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[1] At the time of this writing, 1990 Census data were not available. However, preliminary figures are available, showing a faster rate of growth for Southern Worcester between 1988 and 1990. Bearing in mind that final figures may show differently, the net gain from 1980-1990 is about 26,460 persons higher than the estimated 1980-1988 net gain.

Table A: Southern Worcester Employment by Occupation

		Employment	Percent Distribution
	Total Occupational Employment	214495	100.00
Managerial Occupations			
	Managerial And Administrative Occupations	18460	8.59
	Staff And Administrative Specialty Managerial Occupations	5800	2.70
	Financial Managers	2035	0.95
	Personnel, Training And Labor Relation Managers	565	0.26
	Purchasing Managers	435	0.20
	Marketing, Advertising And Related Managers	1000	0.47
	Administrative Service Managers	1080	0.50
	Engineering, Mathematical And Natural Science Managers	685	0.32
	Line And Middle Management Industry Specific Occupations	3040	1.40
	Education Administrators	845	0.39
	Medical And Health Service Managers	330	0.15
	Property And Real Estate Managers And Administrators	130	0.06
	Industrial Production Managers	610	0.28
	Construction Managers	390	0.18
	Communications, Transportation, Utilities Operations Managers	240	0.11
	Food Service And Lodging Managers	495	0.23
	Other Managerial And Administrative Occupations	9620	4.49
	Pub Admin Chief Executives, Legisltors, Genral Administrators	230	0.11
	General Managers And Top Executives	7610	3.55
	All Other Managers And Administrators	1780	0.83
Professional & Technical Occupations			
	Professional, Paraprofessional And Technical Occupations	40665	18.93
(Management Support Occupations)			
	Accountants, Auditors And Other Financial Specialists	2725	1.27
	Underwriters	470	0.22
	Loan Officers And Counselors	215	0.10
	Accountants And Auditors	1455	0.68
	Budget Analysts	85	0.04
	All Other Financial Specialists	500	0.23
	Purchasing Agents And Buyers	560	0.26
	Wholesale And Retail Buyers, Except Farm Products	295	0.14
	Purchasing Agents - Exc Wholesale, Retail & Farm Products	265	0.12
	Personnel, Training, Labor Relations Specialists And Related	1055	0.49
	Employment Interviewers	455	0.21
	Personnel, Training And Labor Relations Specialists	600	0.28
	Other Management Support Workers	1565	0.73
	Cost Estimators	280	0.13
	Construction And Building Inspectors	95	0.04
	Compliance Officers, Enforcement Inspectors, Exc Construction	80	0.04
	Assessors	170	0.08
	Claims Examiners, Property And Casualty Insurance	235	0.11
	All Other Management Support Workers	705	0.33
(Engineers & Engineering Technicians)			
	Engineers	3630	1.69
	Metallurgists And Metallurgical, Ceramic, Materials Engineers	65	0.03
	Chemical Engineers	210	0.10
	Civil Engineers, Including Traffc Engineers	255	0.12
	Electrical And Electronic Engineers	1725	0.80
	Industrial And Safety Engineers	260	0.12

Table A: Southern Worcester Employment by Occupation

		Employment	Percent Distribution
	Mechanical Engineers	540	0.25
	All Other Engineers	575	0.27
	Architects And Surveying And Mapping Scientists	120	0.06
	Architects, Except Landscape And Marine	120	0.06
	Engineering And Related Technicians And Technologists	2270	1.05
	Civil Engineering Technicians And Technologists	65	0.03
	Electrical, Electronic Engineerng Technicians, Technologists	825	0.38
	Industrial Engineering Technicians And Technologists	80	0.04
	Mechanical Engineering Technicians And Technologists	155	0.07
	Drafters	630	0.29
	All Other Engineering Technicians And Technologists	515	0.24
	Physical Scientists	310	0.15
	Chemists, Except Biochemists	145	0.07
	All Other Physical Scientists	165	0.08
	Life Scientists	185	0.09
	Medical Scientists	85	0.04
	All Other Life Scientists	100	0.05
	Physical And Life Science Technicians And Technologists	205	0.09
	Chemical Technicians, Technologists, Exc Health, Engineering	135	0.06
	All Other Physical And Life Science Technicians, Technologist	70	0.03
(Computer & Math Scientists)	Computer Scientists And Related Workers	2185	1.02
	Systems Analysts, Electronic Data Processing	690	0.32
	Computer Programmers	1495	0.70
	Mathematical Scientists And Related Workers	240	0.11
	Operations And Systems Researchers	105	0.05
	Financial Analysts	50	0.02
	All Other Mathematical Scientists	85	0.04
	Social Scientists, Including Urban And Regional Planners	255	0.12
	Psychologists	175	0.08
	All Other Social Scientists	80	0.04
	Other Selected Social Science Related Workers	1700	0.79
	Social Workers, Medical And Non-medical	950	0.44
	Social Service Technicians	405	0.19
	Recreation Workers	345	0.16
(Lawyers, Paralegals & Related)	Lawyers And Related Workers	455	0.21
	Lawyers	455	0.21
	Legal Assistants And Technicians, Except Clerical	225	0.10
	Paralegal Personnel	175	0.08
	All Other Legal Assistants And Technicians	50	0.02
(Teachers Educators, Librarians & Related)	College And University Faculty	2830	1.32
	Other Teachers And Instructors	6020	2.81
	Teachers, Preschool And Kindergarden	590	0.28
	Teachers, Elementary	1895	0.88
	Teachers, Secondary School	2100	0.98
	Teachers, Special Education	725	0.34
	Teachers And Instructors, Vocational Education	165	0.08
	Instructors, Nonvocational Education	150	0.07

Table A:
Southern Worcester
Employment
by Occupation

		Employment	Percent Distribution
	Instructors And Coaches, Sports	195	0.09
	All Other Teachers And Related Workers	200	0.09
	Librarians, Archivists, Curators, Other Slected Ed Rel Workrs	1885	0.87
	Librarians, Professional	460	0.21
	Technical Assistants, Library	255	0.12
	Curators, Archivists, Museum Technicians And Restorers	65	0.03
	Vocational And Educational Counselors	415	0.19
	Teacher Aides, Paraprofessional	690	0.32
(Health Pracitioners, Technicians & Technologists)			
	Health Diagnosing And Treating Practitioners	965	0.45
	Physicians And Surgeons	695	0.32
	Dentists	270	0.13
	Therapists	410	0.19
	Respiratory Therapists	95	0.04
	Occupational Therapists	70	0.03
	Physical Therapists	80	0.04
	Speech Pathologists And Audiologists	90	0.04
	Recreational Therapists	75	0.04
	Selected Health Care Maintenance And Treating Workers	6520	3.03
	Registered Nurses	3715	1.73
	Licensed Practical Nurses	1995	0.93
	Emergency Medical Technicians	265	0.12
	Opticians, Dispensing And Measuring	70	0.03
	Pharmacists	280	0.13
	Dieticians And Nutritionists	130	0.06
	Dietetic Technicians	65	0.03
	Other Health Professionals, Paraprofessionals And Technicians	2060	0.96
	Medical And Clinical Laboratory Technologists And Technicians	390	0.18
	Dental Hygienists	155	0.07
	Radiologic Technicians	640	0.30
	Surgical Technicians	55	0.03
	All Other Health Professionals And Others	820	0.38
	Selected Writers, Artists, Entertainers, Athletes And Related	1415	0.66
	Writers And Editors, Including Technical Writers	255	0.12
	Public Relations Specialists And Publicity Writers	175	0.08
	Reporters And Correspondents	165	0.08
	Annnouncers, Radio And Television	90	0.04
	Photographers And Camera Operators	65	0.03
	Artists And Related Workers	105	0.05
	Interior Designers	435	0.20
	Athletes, Coaches, Umpires And Related	125	0.06
	Other Professional, Paraprofessional, Technical Occupations	875	0.41
	All Other Professional, Paraprofessional And Technicians	875	0.41
Marketing & Sales Occupations			
	Sales And Related Occupations	27040	12.60
	First Line Supervisors And Manager/supervisors	2075	0.97
	Sales Occupations, Services	2425	1.13
	Sales Agents And Placers, Insurance	1635	0.76
	Brokers And Sales Agents, Real Estate	85	0.04
	Sales Agents, Securitites, Commodities And Financial Services	65	0.03
	Travel Agents	155	0.07
	Sales Agents, Advertising	170	0.08
	All Other Sales Representatives, Service	315	0.15

Table A:
Southern Worcester
Employment
by Occupation

		Employment	Percent Distribution
	Merchandise, Products, Other Sales, Sales-related Occupations	22540	10.50
	Sales Engineers	170	0.08
	Sales Reps, Scientific And Related Products And Services	1650	0.77
	Sales Reps, Exc Scientific And Related Products Or Services	1975	0.92
	Salespersons, Retail Trade	7965	3.71
	Salespersons, Parts	625	0.29
	Counter And Rental Clerks	530	0.25
	Stock Clerks, Sales Floor	2740	1.28
	Cashiers	5930	2.76
	All Other Sales And Related Workers	955	0.44
Clerical Occupations			
	Clerical And Administrative Support Occupations	38655	18.03
	First Line Supvervisors - Clerical And Administrative Clerks	3140	1.46
	Banking, Security, Finance And Credit Workers	2715	1.27
	Tellers	1480	0.69
	New Accounts Clerks	250	0.12
	Transit Clerks	55	0.03
	Loan And Credit Clerks	265	0.12
	Adjustment Clerks	610	0.28
	Statement Clerks	55	0.03
	Selected Insurance Workers	805	0.38
	Adjusters, Examiners, Investigators	145	0.07
	Insurance Claims Clerks	175	0.08
	Insurance Policy Processing Clerks	485	0.23
	Investigative And Related Workers, Except Insurance	180	0.08
	Bill And Account Collectors	180	0.08
	Municipal And Related Workers	115	0.05
	Municipal Clerks	115	0.05
	Selected Lodging And Travel Workers	140	0.07
	Hotel Desk Clerks	140	0.07
	Other Selected Industry Specific Workers	775	0.37
	Library Assistants And Bookmobile Drivers	335	0.16
	Teacher Aides And Education Assistants	305	0.14
	Advertising Clerks	55	0.03
	Proofreaders And Copy Markers	80	0.04
	Secretaries Stenographers And Typists	6445	3.01
	Legal Secretaries	385	0.18
	Medical Secretaries	555	0.26
	Secretaries	5505	2.57
	Other Secretarial Related And General Office Workers	15315	7.12
	Stenographers	200	0.09
	Receptionists And Information Clerks	1235	0.58
	Typists And Word Processors	1560	0.73
	Personnel Clerks, Except Payroll And Timekeeping	230	0.11
	File Clerks	500	0.23
	Order Clerks - Materials, Merchandise And Service	710	0.33
	Procurement Clerks	85	0.04
	Statistical Clerks	95	0.04
	Interview Clerks, Except Personnel And Welfare	300	0.14
	Customer Service Representative, Utilities	95	0.04
	Bookkeeping, Accounting, Auditing Clerks	4120	1.92

Table A: Southern Worcester Employment by Occupation

		Employment	Percent Distribution
	Payroll And Timekeeping Clerks	415	0.19
	Billing, Cost And Rate Clerks	740	0.34
	General Office Clerk	5030	2.34
	Electronic Data Processing, Other Office Machine Occupations	2220	1.03
	Billing, Posting And Calculating Machine Operators	260	0.12
	Mail Machine Operators, Preparing And Handling	80	0.04
	Computer Operators, Except Peripheral Equipment	650	0.30
	Peripheral Edp Equipment Operators	50	0.02
	Data Entry Keyers, Except Composing	990	0.46
	All Other Office Machine Operators	190	0.09
	Communications Equipment Operators	605	0.29
	Switchboard Operator	525	0.25
	Central Office Operators	80	0.04
	Mail And Message Distribution Workers	370	0.18
	Mail Clerks, Except Machine Operators And Post Office	160	0.08
	Messengers	210	0.10
	Material Recording, Scheduling, Dispatching, Distributing	4665	2.18
	Dispatchers - Police, Fire, Ambulance	65	0.03
	Dispatchers - Except Police, Fire And Ambulance	155	0.07
	Production, Planning, Expediting Clerks	410	0.19
	Meter Readers, Utilities	170	0.08
	Stock Clerks - Stockroom, Warehouse And Storage Yard	1475	0.69
	Order Fillers, Wholesale And Retail Sales	615	0.29
	Traffic, Shipping And Receiving Clerks	1355	0.63
	All Other Material Recording And Related Workers	420	0.20
	All Other Clerical And Administrative Support Occupations	1165	0.54
	All Other Clerical And Administrative Support Workers	1165	0.54
Service Occupations			
	Service Occupations	32265	15.00
	First Line Supervisors - Service	1040	0.48
	Fire Fighting And Prevention Supervisors	85	0.04
	All Other Service Supervisors	955	0.44
	Protective Service Occupations	3290	1.53
	Fire Fighters	485	0.23
	Police Detectives And Investigators	350	0.16
	Correction Officers And Jailers	600	0.28
	Detectives And Investigators	50	0.02
	Crossing Guards	155	0.07
	Guards And Watch Guards	1560	0.73
	All Other Protective Services	90	0.04
	Food And Beverage Preparation And Service Workers	15080	7.02
	Hosts And Hostesses	410	0.19
	Bartenders	1235	0.58
	Waiters And Waitresses	4795	2.23
	Dining Room, Counter And Cafe Attendants	1050	0.49
	Bakers, Bread And Pastry	265	0.12
	Butchers And Meat Cutters	315	0.15
	Cooks, Restaurant	945	0.44
	Cooks, Institution Or Cafe	620	0.29
	Cooks, Speciality Fast Food And Fast Food	890	0.41
	Food Preparation Workers	2175	1.01
	All Other Food Service Workers	2380	1.11

Table A:
Southern Worcester Employment by Occupation

		Employment	Percent Distribution
	Health Service And Related Occupations	5215	2.43
	Dental Assistants	300	0.14
	Medical Assistants	90	0.04
	Nurse Aides, Orderlies And Attendants	3040	1.42
	Home Health Aides	800	0.37
	Psychiatric Aides	625	0.29
	Physical And Corrective Therapy Assistants And Aides	65	0.03
	Pharmacy Assistants	120	0.06
	All Other Health Servicers	175	0.08
	Cleaning, Building Service Occupations, Exc Private Households	4965	2.31
	Janitors And Cleaners, Including Housekeepers And Maids	1500	0.70
	Janitors And Cleaners	2985	1.39
	All Other Cleaning And Building Service Workers	480	0.22
	Personal Service Occupations	1520	0.70
	Cosmetologists And Related	790	0.37
	Shampooers	50	0.02
	Guides	245	0.11
	Social Welfare Service Aides	285	0.13
	Child Care Workers	150	0.07
	All Other Service Occupations	455	0.21
	All Other Service Workers	455	0.21
	Agricultural, Forestry, Fishing And Related Occupations	700	0.32
	Nursery Workers	200	0.09
	Graders And Sorters, Agricultural Products	105	0.05
	Gardeners And Groundskeepers, Except Farm	330	0.15
	All Other Agricultural, Forestry And Related Workers	65	0.03
Production, Construction & Maintenance Occupations			
	Production, Construction And Maintenance Occupations	57410	26.85
	First Line Supervisors, Manager/supers - Prod, Constr, Maint	3285	1.52
	First Line Supervisors - Mechanics And Repairers	740	0.34
	First Line Supervisors - Constuction And Related	585	0.27
	First Line Supervisors - Production And Related	1315	0.61
	First Line Supervisors - Transportation And Related	240	0.11
	First Line Supervisors - Helpers And Others	175	0.08
	Blue Collar Worker Supervisors	230	0.11
	Precision And Production Inspectors	1450	0.68
(Mechanics, Installers & Repairers)	Machinery And Related Mechanics, Installers And Repairers	3055	1.43
	Machinery Maintenance Mechanics	380	0.18
	Machinery Maintenance Mechanics, Textile Machines	85	0.04
	Mach Maintenance Mechanics, Water Or Power Generation Plant	125	0.06
	All Other Machinery Maintenance Mechanics	100	0.05
	Millwrights	90	0.04
	Machinery Maintenance Wworkers	100	0.05
	Maintenance Repairers, General Utility	2175	1.01
	Mobile Equipment Mechanics, Installers And Repairers	2310	1.08
	Automotive Mechanics	1085	0.51
	Automotive Body And Related Repairers	705	0.33
	Motorcycle Repairers	50	0.02
	Bus And Truck Mechanics And Diesel Mechanics	315	0.15
	Mobile Heavy Equipment Mechanics	155	0.07

Table A:
Southern Worcester Employment by Occupation

		Employment	Percent Distribution
	Communications Equipment Mechanics, Installers And Repairers	115	0.05
	Central Office And Pbx Installers And Repairers	115	0.05
	Other Electrical, Electronic Equip Mechs, Installers, Repairs	1705	0.80
	Telephone And Cable Tv Line Installers And Repairers	90	0.04
	Data Processing Equipment Repairers	370	0.17
	Electronic Home Entertainment Equipment Repairers	65	0.03
	Electric Home Appliance And Power Tool Repairers	215	0.10
	Electronics Repairers, Industrial Equipment	60	0.03
	Electric Powerline Installers And Repairers	685	0.32
	Station Installers And Repairers, Telephone	160	0.08
	All Other Electric, Electronic Equip Mechs, Reprers, Instllrs .	60	0.03
	Other Mechanics, Installers And Repairers	1390	0.66
	Heating, Air Conditioning, Refrigeration Mechs, Installers	485	0.23
	Precision Instrument Repairers	85	0.04
	Electric Meter Installers And Repairers	180	0.08
	Elevator Installers And Repairers	75	0.04
	Coin And Vending Machine Servicers	60	0.03
	Menders - Garments, Linens And Related	55	0.03
(Construction Trades Occupations)	All Other Mechanics, Installers And Repairers	450	0.21
	Selected Carpentry And Related Workers	1315	0.61
	Carpenters	1040	0.48
	Drywall Installers And Tapers	275	0.13
	Selected Electrical And Related Workers	720	0.34
	Electricians	720	0.34
	Selected Masonry And Related Workers	1055	0.49
	Brick Masons And Stone Masons	680	0.32
	Concrete And Terrazzo Finishers	135	0.06
	Reinforcing Metal Workers	240	0.11
	Selected Painting And Related Workers	380	0.18
	Painters, Paperhangers, Construction And Maintenance	380	0.18
	Selected Plumbing And Related Workers	790	0.37
	Plumbers, Pipefitters And Steamfitters	715	0.33
	Pipelayers	75	0.04
	Selected Floor Related Workers, Except Carpenters	60	0.03
	Carpet Installers	60	0.03
	Selected Road, Rail, Related Constr & Maint Wrkrs, Exc Masons	220	0.10
	Highway Maintenance Workers	220	0.10
	All Other Construction Trades Workers	425	0.20
	Sheet Metal Duct Installers	120	0.06
	Roofers	195	0.09
	Glaziers	110	0.05
	Extractive And Related, Including Blasters	500	0.23
	All Other Construction And Extractive Occupations	500	0.23
(Precision Production Occupations)			
	Precision Metal Workers	2800	1.31
	Tool And Die Makers	595	0.28
	Machinists	1130	0.53
	Precision Tool Grinders, Filers, Sharpeners	220	0.10
	Sheet Metal Workers	725	0.34
	All Other Precision Metal Workers	130	0.06

Table A: Southern Worcester Employment by Occupation

		Employment	Percent Distribution
	Precision Woodworkers	255	0.12
	Cabinetmakers And Bench Carpenters	120	0.06
	All Other Precision Woodworkers	135	0.06
	Precision Textile, Apparel And Furnishings Workers	345	0.17
	Custom Tailors And Sewers	125	0.06
	Upholsterers	80	0.04
	All Other Precision Textile And Related Workers	140	0.07
	Precision Printing Workers	140	0.06
	Precision Lithography And Photoengraving Workers	50	0.02
	All Other Precision Printing Workers	90	0.04
	Precision Food Workers	165	0.08
	Slaughterers And Butchers	60	0.03
	Bakers, Manufacturing	105	0.05
	Other Precision Workers	760	0.36
	Precision Detail Design Decorators And Painters	55	0.03
	Precision Optical Goods Workers	385	0.18
(Machine Setters, Set-up Operators, Operators, & Tenders)	All Other Precision Workers	320	0.15
	Machine Tool Cutting Setters, Ops And Related - Metal, Plas	2295	1.07
	Lathe, Turning Mach Tool Setters, Set-up Operators, Metal, Pl	430	0.20
	Drilling, Boring Mach Tool Setters, Set-up Ops, Metal, Pl	160	0.08
	Milling, Planing Machine Setters, Set-up Ops, Metal, Plastic	415	0.19
	Grinding, Lapping, Buffing Machine Tool Setters, Set-up Ops	170	0.08
	Machine Tool Cutting Operators	1120	0.52
	Machine Forming Setters, Operators And Related Workers	1285	0.60
	Punching Machine Setters And Set-up Operators, Metal, Plastic	95	0.04
	Press, Press Brake Machine Setters, Set-up Ops, Metal, Plas	170	0.08
	Shear, Slitter Machine Setters, Set-up Ops, Metal And Plastic	50	0.02
	Extruding, Drawing Machine Setters, Set-up Ops, Metal And Pla	300	0.14
	Forging Machine Setters, Set-up Operators, Metal And Plastic	55	0.03
	Sheetmetal Machine Operator	615	0.29
	Numerical And Combination Tool Setters, Operators And Related	345	0.17
	Numerical Control Machine Tool Operators, Tenders, Met, Plas	165	0.08
	Combination Machine Tool Setters, Set-up Ops, Metal, Plastic	100	0.05
	Combination Machine Tool Operators, Metal And Plastics	80	0.04
	Metal Fabricating, Related Machine Setters, Operators	235	0.11
	Welding Machine Setters And Set-up Operators	50	0.02
	Welding Machine Operators And Tenders	85	0.04
	Metal Fabricators, Structural Metal Products	100	0.05
	Metal, Plastic Processing Machine Setters, Operators, Related	1085	0.51
	Plastic Molding, Casting Machine Setters, Set-up Operators	50	0.02
	Plastic Molding, Casting Machine Operators And Tenders	555	0.26
	Metal Molding, Coremaking, Casting Machine Operators, Tenders	50	0.02
	Electrolytic Plating And Coating Machine Operators, Tenders	140	0.07
	Heat Treating, Annealing, Tempering Mach Operators, Tenders	150	0.07
	Furnace Operators And Tenders	85	0.04
	Heaters, Metal And Plastic	55	0.03
	All Other Metal, Plastic Machine Setters, Operators, Related	540	0.25
	All Other Metal, Plastic Machine Setters, Set-up Operators	210	0.10
	All Other Metal And Plastic Machine Operators And Tenders	330	0.15

Table A: Southern Worcester Employment by Occupation

	Employment	Percent Distribution
Woodworking Machine Setters, Operators, Other Related Workers	60	0.03
Woodworking Machine Operators And Tenders, Except Sawing	60	0.03
Printing, Binding And Related Workers	925	0.44
Printing Press Machine Setters And Set-up Operators	50	0.02
Offset Lithographic Press Setters	140	0.07
Letterpress Setters And Set-up Operators	70	0.03
Photoengraving And Lithographing Photographers	55	0.03
All Other Printing Related Setters And Set-up Operators	100	0.05
Typesetting And Composing Machine Operators And Tenders	140	0.07
Printing Press Machine Operators	200	0.09
Bindery Machine Operators	55	0.03
All Other Printing, Binding, Related Machine Ops And Tenders	115	0.05
Textile, Related Setters, Operators And Other Related Workers	2440	1.15
Textile Machine Setters And Set-up Operators	105	0.05
Textile Machine Ops, Tenders - Winding, Twisting, Knitting	835	0.39
Textile Bleaching And Dyeing Machine Operators And Tenders	160	0.08
Sewing Machine Operators, Garment	360	0.17
Sewing Machine Operators, Non-garment	320	0.15
Shoe Sewing Machine Operators	145	0.07
Laundry And Drycleaning Machine Operators	405	0.19
Pressing Machine Operators, Textile	110	0.05
Other Machine Setters, Set-up Operators, Operators, Tenders	3665	1.73
Electronic Semiconductor Processors	770	0.36
Photographic Process Machine Operators	75	0.04
Paper Goods Machine Setters And Set-up Operators	140	0.07
Chemical Equipment Controllers And Operators	60	0.03
Chemical Equipment Tenders	120	0.06
Cutting And Slicing Machine Setters And Set-up Operators	85	0.04
Cutting And Slicing Machine Operators	75	0.04
Coating, Painting, Spraying Machine Setters, Set-up Operators	60	0.03
Coating, Painting And Spraying Machine Operators And Tenders	200	0.09
Crushing, Grinding, Mixing, Blending Machine Ops And Tenders	265	0.12
Extruding, Forming, Pressing, Compacting Machine Ops, Tenders	130	0.06
Packaging And Filling Machine Operators	295	0.14
All Other Machine Operators	1390	0.65
(Assemblers & other Hand Workers)		
Precision Assemblers	730	0.34
Machine Builders And Other Precision Machine	245	0.11
Electromechanical Equipment Assemblers - Prec	185	0.09
Electrical And Electronic Equipment Assembler	240	0.11
All Other Precision Metal Assemblers	60	0.03
Other Hand Workers, Including Assemblers And Fabricators	3420	1.60
Machine Assemblers	50	0.02
Electrical And Electronic Assemblers	235	0.11
Welders And Cutters	265	0.12
Solderers And Brazers	55	0.03
Cutters And Trimers, Hand	160	0.08
Grinding And Polishing Workers, Hand	140	0.07
Assemblers, Fabricators - Exc Mach, Electrcl, Electrnc, Prec	1915	0.89
All Other Hand Workers	600	0.28
Plant And Systems Occupations	255	0.11
Water And Liquid Waste Treatment Plant And System Operators	95	0.04
All Power Operators	65	0.03
All Other Plant And System Operators	95	0.04

Table A: Southern Worcester Employment by Occupation

		Employment	Percent Distribution
(Transportation & Material Moving Machine & Vehicle Operators)			
	Motor Vehicle Operators	5400	2.52
	Truck Drivers, Heavy	2450	1.14
	Truck Drivers, Light - Including Delivery And Route Drivers	1505	0.70
	Bus Drivers	310	0.15
	Bus Drivers, School	515	0.24
	Taxi Drivers And Chauffeurs	100	0.05
	Driver/sales Workers	520	0.24
	All Other Transportation And Related Workers	1425	0.66
	Service Station Attendants	1055	0.49
	Parking Lot Attendants	65	0.03
	All Other Transportation Workers	305	0.14
	Material Moving Equipment Operators	1520	0.71
	Excavating And Loading Machine Operators	220	0.10
	Grading, Dozing And Scraper Operators	65	0.03
	Crane And Tower Operators	60	0.03
	Industrial Truck And Tractor Operators	580	0.27
	Operating Engineers	305	0.14
	All Other Material Moving Equipment Operators	290	0.14
(Helpers, Laborers & Material Movers-Hand)			
	Constructive Trades, Extractive Worker Helpers	1080	0.50
	Helpers, All Other Construction Trades	1080	0.50
	Machine Feeders And Offbearers	625	0.29
	Machine Feeders And Offbearers	625	0.29
	Freight, Stock And Material Handlers, Hand	120	0.06
	Refuse Collectors	120	0.06
	All Other Helpers, Laborers, Material Movers - Hand	6720	3.13
	Hand Packers And Packagers	1610	0.75
	Vehicle Washers And Equipment Cleaners	235	0.11
	All Other Helpers, Laborers, Movers - Hand	4875	2.27

Table B: Southern Worcester Employment in Selected Occupations by Industry

		Employment	Percent Distribution
Managerial & Executive Occupations			
o	Financial Managers	2035	100.00
	All Other Service	250	12.29
	Commercial And Stock Savings Banks	180	8.85
	All Other Finance, Insurance And Real Estate	170	8.35
	All Other Machinery, Except Electrical	140	6.88
	Legal Services	135	6.63
	All Other Fabricated Metal Products	115	5.65
	All Other Durable Goods Manufacturing	105	5.16
	Local Government, Except Education And Hospitals	100	4.91
	Nondurable Goods Manufacturing	85	4.18
	Mutual Savings Banks	75	3.69
	All Other Health Services	75	3.69
	All Other Special Trade Constractors	65	3.19
	Wholesale And Retail Trade	65	3.19
	Life Insurance	65	3.19
	Real Estate	60	2.95
	All Other Business Services	60	2.95
	All Other General Buiding Contractors	55	2.70
	Residential Care	55	2.70
	All Other Social Services	55	2.70
o	Personnel, Training And Labor Relation Managers	565	100.00
	All Other Service	135	23.89
	Miscellaneous Nonmetallic Mineral Prod.	110	19.47
	Personnel Supply Services	90	15.93
	All Other Durable Goods Manufacturing	65	11.50
	Office Computing Machinery	50	8.85
o	Purchasing Managers	435	100.00
	All Other Wholesale And Retail Trade	150	34.48
	Durable Goods Manufacturing	80	18.39
	All Other Miscellaneous Retail Stores	75	17.24
	All Other Wholesale Trade-durable Goods	60	13.79
o	Marketing, Advertising And Related Managers	1000	100.00
	Wholesale And Retail Trade	160	16.00
	All Other Service	140	14.00
	All Other Durable Goods Manufacturing	135	13.50
	All Other Machinery, Except Electrical	100	10.00
	Nondurable Goods Manufacturing	90	9.00
	Personnel Supply Services	80	8.00
	Life Insurance	65	6.50
	All Other Business Services	60	6.00
	Miscellaneous Nonmetallic Mineral Prod.	55	5.50
o	Administrative Service Managers	1080	100.00
	Local Government, Except Education And Hospitals	600	55.56
	All Other Service	110	10.19
	Durable Goods Manufacturing	90	8.33
	Colleges, Universities, Professionl Schools, Junior Colleges	75	6.94
	Finance, Insurance And Real Estate	65	6.02
	All Other Social Services	50	4.63

Table B: Southern Worcester Employment in Selected Occupations by Industry

		Employment	Percent Distribution
o	Engineering, Mathematical And Natural Science Managers	685	100.00
	Electrical Work	120	17.51
	Computer And Data Processing Services	95	13.87
	All Other Durable Goods Manufacturing	80	11.68
	All Other Service	65	9.49
	All Other Instruments And Related Products	60	8.76
	Metalworking Machinery	55	8.03
	Electronic Components And Accessories	55	8.03
	All Other Fabricated Metal Products	50	7.30
	Nondurable Goods Manufacturing	50	7.30
o	Education Administrators	845	100.00
	Elementary And Secodary Schools	405	47.93
	Colleges, Universities, Professionl Schools, Junior Colleges	345	40.83
	All Other Social Services	60	7.10
o	Medical And Health Service Managers	330	100.00
	All Other Health Services	150	45.45
	Hospitals	95	28.79
	Local Government, Except Education And Hospitals	60	18.18
o	Industrial Production Managers	610	100.00
	All Other Durable Goods Manufacturing	170	27.87
	Nondurable Goods Manufacturing	140	22.95
	Electronic Components And Accessories	100	16.39
	All Other Machinery, Except Electrical	90	14.75
	All Other Fabricated Metal Products	60	9.84
	Metalworking Machinery	50	8.20
o	Construction Managers	390	100.00
	All Other Special Trade Constractors	150	38.46
	General Building Contractors - Residential Buildings	130	33.33
	All Other Construction	85	21.80
o	Food Service And Lodging Managers	495	100.00
	Eating And Drinking Places	310	62.63
	Service	175	35.35
o	General Managers And Top Executives	7610	100.00
	Eating And Drinking Places	445	5.85
	All Other Service	425	5.58
	All Other Wholesale Trade-durable Goods	340	4.47
	Food Stores	290	3.81
	All Other Miscellaneous Retail Stores	265	3.48
	Transportation And Public Utilities	245	3.22
	All Other Fabricated Metal Products	210	2.76
	All Other Wholesale And Retail Trade	200	2.63
	All Other Durable Goods Manufacturing	185	2.43
	All Other Health Services	185	2.43
	Insurance Agents, Brokers And Service	175	2.30
	Fire, Marine And Casualty Insurance	170	2.23
	Miscellaneous Business Services	170	2.23
	Machinery, Equipment And Supplies	165	2.17
	Civic, Social, And Fraternal Associations	165	2.17

Table B:
Southern Worcester Employment in Selected Occupations by Industry

			Employment	Percent Distribution
		All Other Machinery, Except Electrical	160	2.10
		Personnel Supply Services	150	1.97
		All Other Special Trade Constractors	145	1.90
		All Other Nondurable Goods Manufacturing	145	1.90
		All Other Finance, Insurance And Real Estate	145	1.90
		Miscellaneous Services	140	1.84
		Miscellaneous Shopping Goods Stores	135	1.77
		All Other Apparel And Accessory Stores	125	1.64
		Lumber And Other Building Materials Dealers	120	1.58
		Residential Care	115	1.51
		Miscellaneous Special Trade Contractors	110	1.45
		All Other Wholesale Trade-nondurable Goods	110	1.45
		Gasoline Service Stations	110	1.45
		Social Services, Not Elsewhere Classified	110	1.45
		Department Stores	100	1.31
		Motor Vehicle Dealers (new And Used)	100	1.31
		Personal Services	100	1.31
		All Other Automotive Dealers & Service Stations	95	1.25
		Real Estate	95	1.25
		Life Insurance	90	1.18
		General Building Contractors - Residential Buildings	85	1.12
		Hospitals	85	1.12
		Commercial Printing	80	1.05
		Miscellaneous Plastics Products	80	1.05
		Individiual And Family Social Services	80	1.05
Professional & Technical Occupations	o	Underwriters	470	100.00
		Fire, Marine And Casualty Insurance	205	43.62
		Insurance Agents, Brokers And Service	160	34.04
		Life Insurance	90	19.15
	o	Accountants And Auditors	1455	100.00
		Miscellaneous Services	230	15.81
		All Other Service	165	11.34
		All Other Durable Goods Manufacturing	155	10.65
		Office Computing Machinery	140	9.62
		All Other Wholesale And Retail Trade	120	8.25
		Fire, Marrine And Casualty Insurance	120	8.25
		Transportation And Public Utilities	80	5.50
		All Other Finance, Insurance And Real Estate	80	5.50
		Local Government, Except Education And Hospitals	75	5.15
		Eating And Drinking Places	70	4.81
		All Other Wholesale Trade-durable Goods	65	4.47
		Life Insurance	65	4.47
	o	Wholesale And Retail Buyers, Except Farm Products	295	100.00
		All Other Wholesale And Retail Trade	125	42.37
		All Other Miscellaneous Retail Stores	65	22.04
		All Other Wholesale Trade-nondurable Goods	55	18.64
		All Other Wholesale Trade-durable Goods	50	16.95
	o	Purchasing Agents - Exc Wholesale, Retail & Farm Products	265	100.00
		All Other Durable Goods Manufacturing	135	50.94
		All Other Machinery, Except Electrical	55	20.76

Table B: Southern Worcester Employment in Selected Occupations by Industry

		Employment	Percent Distribution
o	Personnel, Training And Labor Relations Specialists	600	100.00
	Personnel Supply Services	195	32.50
	Office Computing Machinery	90	15.00
	All Other Service	75	12.50
	Finance, Insurance And Real Estate	55	9.17
	All Other Business Services	55	9.17
	All Other Durable Goods Manufacturing	50	8.33
o	Cost Estimators	280	100.00
	Durable Goods Manufacturing	90	32.14
	All Other Special Trade Constractors	80	28.57
	All Other General Buiding Contractors	65	23.21
o	Claims Examiners, Property And Casualty Insurance	235	100.00
	Life Insurance	155	65.96
	Fire, Marine And Casualty Insurance	70	29.79
o	Chemical Engineers	210	100.00
	Miscellaneous Nonmetallic Mineral Prod.	105	50.00
o	Civil Engineers, Including Traffc Engineers	255	100.00
	Miscellaneous Services	80	31.37
	Local Government, Except Education And Hospitals	80	31.38
o	Electrical And Electronic Engineers	1725	100.00
	Office Computing Machinery	510	29.56
	Computer And Data Processing Services	325	18.84
	Electronic Components And Accessories	290	16.81
	All Other Durable Goods Manufacturing	170	9.85
	Miscellaneous Business Services	120	6.96
	Optical Instruments And Lenses	100	5.80
	Electrical Work	90	5.22
	Machinery, Equipment And Supplies	70	4.06
o	Industrial And Safety Engineers	260	100.00
	All Other Durable Goods Manufacturing	145	55.77
	Office Computing Machinery	55	21.16
o	Mechanical Engineers	540	100.00
	All Other Fabricated Metal Products	135	25.00
	Metalworking Machinery	80	14.82
	Optical Instruments And Lenses	60	11.11
	All Other Durable Goods Manufacturing	60	11.11
	All Other Machinery, Except Electrical	55	10.18
	Service	55	10.18
	Construction	50	9.26
o	Electrical, Electronic Engineerng Technicians, Technologists	825	100.00
	Electronic Components And Accessories	185	22.42
	Office Computing Machinery	125	15.15
	All Other Durable Goods Manufacturing	110	13.33
	Transportation And Public Utilities	110	13.33

Table B: Southern Worcester Employment in Selected Occupations by Industry

		Employment	Percent Distribution
	Machinery, Equipment And Supplies	85	10.30
	Electrical Work	65	7.88
	Optical Instruments And Lenses	50	6.06
o	Drafters	630	100.00
	Miscellaneous Services	120	19.05
	All Other Fabricated Metal Products	110	17.46
	All Other Durable Goods Manufacturing	105	16.67
	Transportation And Public Utilities	105	16.67
	All Other Machinery, Except Electrical	80	12.70
	Metalworking Machinery	65	10.32
o	Computer Systems Analysts	690	100.00
	Computer And Data Processing Services	145	21.01
	Office Computing Machinery	135	19.57
	All Other Durable Goods Manufacturing	105	15.22
	Nondurable Goods Manufacturing	55	7.97
	Finance, Insurance And Real Estate	55	7.97
	Miscellaneous Business Services	50	7.25
o	Computer Programmers	1495	100.00
	Office Computing Machinery	635	42.47
	Computer And Data Processing Services	180	12.04
	Electrical Work	105	7.02
	Fire, Marrine And Casualty Insurance	95	6.36
	All Other Durable Goods Manufacturing	85	5.69
	All Other Printing And Publishing	80	5.35
	Wholesale And Retail Trade	80	5.35
	All Other Service	75	5.02
	Miscellaneous Business Services	60	4.01
	All Other Finance, Insurance And Real Estate	55	3.68
o	Social Workers, Medical And Non-medical	950	100.00
	Individual And Family Social Services	320	33.68
	Hospitals	170	17.89
	All Other Health Services	140	14.74
	Residential Care	85	8.95
	Social Services, Not Elsewhere Classified	80	8.42
	Elementary And Secodary Schools	70	7.37
	Nursing And Personal Care Facilities	60	6.32
o	Lawyers	455	100.00
	Legal Services	360	79.12
	Local Government, Except Education And Hospitals	55	12.09
o	College And University Faculty	2830	100.00
	Colleges, Universities, Professionl Schools, Junior Colleges	2040	72.08
	Elementary And Secodary Schools	520	18.38
	Personal Services	185	6.54
	Hospitals	60	2.12
o	Teachers, Preschool And Kindergarden	590	100.00
	All Other Social Services	255	43.22
	Elementary And Secondary Schools	225	38.14
	Individual And Family Social Services	55	9.32
	Social Services, Not Elsewhere Classified	55	9.32

Table B:
Southern Worcester Employment in Selected Occupations by Industry

		Employment	Percent Distribution
o	Teachers, Elementary	1895	100.00
	Elementary And Secondary Schools	1890	99.74
o	Teachers, Secondary School	2100	100.00
	Elementary And Secondary Schools	2100	100.00
o	Teachers, Special Education	725	100.00
	Elementary And Secondary Schools	725	100.00
o	Librarians, Professional	460	100.00
	All Other Service	265	57.61
	Local Government, Except Education And Hospitals	75	16.30
	Elementary And Secondary Schools	60	13.04
	Colleges, Universities, Professionl Schools, Junior Colleges	55	11.96
o	Vocational And Educational Counselors	415	100.00
	Elementary And Secondary Schools	190	45.78
	Individual And Family Social Services	90	21.69
	Social Services, Not Elsewhere Classified	60	14.46
	All Other Social Services	55	13.25
o	Teacher Aides, Paraprofessional	690	100.00
	Elementary And Secondary Schools	660	95.65
o	Physicians And Surgeons	695	100.00
	Hospitals	340	48.92
	Office Of Physicians	270	38.85
	All Other Health Services	75	10.79
o	Dentists	270	100.00
	Office Of Dentists	270	100.00
o	Registered Nurses	3715	100.00
	Hospitals	2340	62.99
	Nursing And Personal Care Facilities	290	7.81
	Health And Allied Services, Not Elsewhere Classified	280	7.54
	Office Of Physicians	255	6.86
•	Personnel Supply Services	215	5.79
	Individual And Family Social Services	110	2.96
	All Other Service	80	2.15
	Elementary And Secondary Schools	75	2.02
	Residential Care	55	1.48
o	Licensed Practical Nurses	1995	100.00
	Hospitals	810	40.60
	Personnel Supply Services	480	24.06
	Nursing And Personal Care Facilities	415	20.80
	All Other Service	105	5.27
	Office Of Physicians	85	4.26
	Residential Care	85	4.26

Table B:
Southern Worcester Employment in Selected Occupations by Industry

		Employment	Percent Distribution
o	Pharmacists	280	100.00
	Drug Stores And Proprietary Stores	205	73.22
	Hospitals	65	23.21
o	Medical And Clinical Laboratory Technologists And Technician	390	100.00
	Hospitals	330	84.61
	All Other Service	60	15.39
o	Radiologic Technicians	640	100.00
	Office Of Physicians	475	74.22
	Hospitals	165	25.78
o	Writers And Editors, Including Technical Writers	255	100.00
	Office Computing Machinery	75	29.41
	Newspapers	65	25.49
	Service	55	21.57
Marketing & Sales Occupations			
o	Sales Supervisors	2075	100.00
	Life Insurance	230	11.09
	All Other Printing And Publishing	180	8.68
	Food Stores	155	7.47
	All Other Durable Goods Manufacturing	150	7.23
	All Other Service	150	7.23
	Personnel Supply Services	135	6.51
	All Other Wholesale Trade-durable Goods	125	6.02
	All Other Miscellaneous Retail Stores	95	4.58
	Department Stores	85	4.10
	Groceries And Related Supplies	75	3.61
	Machinery, Equipment And Supplies	70	3.37
	All Other Nondurable Goods Manufacturing	65	3.13
	Miscellaneous Shopping Goods Stores	65	3.13
	Office Computing Machinery	60	2.89
	Women's Ready-to-wear Stores	60	2.89
	All Other Wholesale Trade-nondurable Goods	55	2.65
	All Other Apparel And Accessory Stores	55	2.65
	Drug Stores And Proprietary Stores	55	2.65
	All Other Finance, Insurance And Real Estate	55	2.65
	All Other Business Services	55	2.65
	Insurance Agents, Brokers And Service	50	2.41
o	Insurance Sales Agents	1635	100.00
	Life Insurance	1405	85.93
	Insurance Agents, Brokers And Service	195	11.93
o	Sales Reps, Scientific And Related Products And Services	1650	100.00
	Office Computing Machinery	385	23.33
	Machinery, Equipment And Supplies	290	17.58
	Miscellaneous Nonmetallic Mineral Prod.	200	12.12
	All Other Wholesale Trade-durable Goods	145	8.79
	All Other Wholesale Trade-nondurable Goods	115	6.97
	Personnel Supply Services	100	6.06
	Optical Instruments And Lenses	80	4.85
	Chemicals And Allied Products	75	4.54

Table B:
Southern Worcester Employment in Selected Occupations by Industry

		Employment	Percent Distribution
	Computer And Data Processing Services	75	4.54
	All Other Electrical And Electronic Equipment	60	3.64
	All Other Nondurable Goods Manufacturing	60	3.64
	All Other Durable Goods Manufacturing	50	3.03
o	Sales Reps, Exc Scientific And Related Products Or Services	1975	100.00
	Machinery, Equipment And Supplies	305	15.44
	All Other Wholesale Trade-durable Goods	285	14.43
	All Other Wholesale Trade-nondurable Goods	205	10.38
	All Other Printing And Publishing	190	9.62
	All Other Nondurable Goods Manufacturing	165	8.35
	Groceries And Related Supplies	155	7.85
	Furniture And Fixtures	140	7.09
	All Other Fabricated Metal Products	80	4.05
	All Other Durable Goods Manufacturing	70	3.54
	All Other Machinery, Except Electrical	65	3.29
	Personal Services	60	3.04
	All Other Special Trade Constractors	55	2.79
	Apparel, Piece Goods And Notions	55	2.79
	Miscellaneous Nonmetallic Mineral Prod.	50	2.53
	All Other Service	50	2.53
o	Retail Trade Sales Representatives	7965	100.00
	Department Stores	1755	22.03
	All Other Wholesale And Retail Trade	950	11.93
	Miscellaneous Shopping Goods Stores	890	11.17
	All Other Miscellaneous Retail Stores	550	6.90
	Women's Ready-to-wear Stores	515	6.46
	Food Stores	380	4.77
	Motor Vehicle Dealers (new And Used)	370	4.64
	Shoe Stores	345	4.33
	All Other Wholesale Trade-nondurable Goods	320	4.02
	Furniture, Home Furnishings, Equip Stores, Exc Appliances	300	3.77
	Family Clothing Stores	295	3.70
	Children's And Infants' Wear Stores	235	2.95
	Lumber And Other Building Materials Dealers	230	2.89
	Drug Stores And Proprietary Stores	210	2.64
	All Other Wholesale Trade-durable Goods	155	1.95
	Men's And Boys' Clothing And Furnishings Stores	140	1.76
	All Other Automotive Dealers & Service Stations	105	1.32
o	Salespersons, Parts	625	100.00
	All Other Wholesale Trade-durable Goods	230	36.80
	Motor Vehicle Dealers (new And Used)	180	28.80
	All Other Automotive Dealers & Service Stations	95	15.20
	Machinery, Equipment And Supplies	75	12.00
o	Counter And Rental Clerks	530	100.00
	Personal Services	185	34.91
	Miscellaneous Business Services	140	26.41
	Wholesale And Retail Trade	115	21.70
	All Other Service	90	16.98
o	Stock Clerks, Sales Floor	2740	100.00
	Food Stores	1460	53.29
	All Other Miscellaneous Retail Stores	295	10.77
	All Other Wholesale And Retail Trade	210	7.67

Table B:
Southern Worcester Employment in Selected Occupations by Industry

			Employment	Percent Distribution
		Department Stores	170	6.20
		Drug Stores And Proprietary Stores	165	6.02
		All Other Wholesale Trade-durable Goods	85	3.10
		Miscellaneous Shopping Goods Stores	85	3.10
		All Other Apparel And Accessory Stores	80	2.92
		Men's And Boys' Clothing And Furnishings Stores	65	2.37
		Eating And Drinking Places	65	2.37
		Lumber And Other Building Materials Dealers	60	2.19
	o	Cashiers	5930	100.00
		Food Stores	2200	37.10
		Eating And Drinking Places	885	14.92
		Drug Stores And Proprietary Stores	635	10.71
		Department Stores	515	8.68
		All Other Wholesale And Retail Trade	370	6.24
		All Other Miscellaneous Retail Stores	250	4.22
		Gasoline Service Stations	230	3.88
		All Other Service	215	3.63
		State Government, Except Education And Hospitals	210	3.54
		Personal Services	130	2.19
		All Other Apparel And Accessory Stores	115	1.94
		Miscellaneous Shopping Goods Stores	110	1.86
Clerical & Administrative Support Occupations	o	First Line Supvervisors - Clerical And Administrative Clerks	3140	100.00
		Office Computing Machinery	425	13.53
		Transportation And Public Utilities	330	10.51
		Life Insurance	280	8.92
		All Other Wholesale And Retail Trade	155	4.94
		All Other Wholesale Trade-nondurable Goods	150	4.78
		All Other Service	145	4.62
		All Other Wholesale Trade-durable Goods	110	3.50
		All Other Printing And Publishing	105	3.34
		Commercial And Stock Savings Banks	105	3.34
		Insurance Agents, Brokers And Service	105	3.34
		Mutual Savings Banks	100	3.19
		Fire, Marine And Casualty Insurance	95	3.02
		Office Of Physicians	95	3.02
		All Other Nondurable Goods Manufacturing	85	2.71
		All Other Finance, Insurance And Real Estate	85	2.71
		All Other Health Services	85	2.71
		Eating And Drinking Places	80	2.55
	o	Tellers	1480	100.00
		Commercial And Stock Savings Banks	625	42.23
		Mutual Savings Banks	520	35.13
		All Other Finance, Insurance And Real Estate	335	22.64
	o	Loan And Credit Clerks	265	100.00
		All Other Finance, Insurance And Real Estate	125	47.17
		Commercial And Stock Savings Banks	75	28.30
		Mutual Savings Banks	60	22.64
	o	Adjustment Clerks	610	100.00
		Transportation And Public Utilities	140	22.95
		Durable Goods Manufacturing	85	13.93
		Department Stores	80	13.11
		All Other Wholesale And Retail Trade	80	13.11
		All Other Nondurable Goods Manufacturing	70	11.48

Table B: Southern Worcester Employment in Selected Occupations by Industry

		Employment	Percent Distribution
	Insurance Agents, Brokers And Service	55	9.02
	All Other Printing And Publishing	50	8.20
o	Insurance Policy Processing Clerks	485	100.00
	Insurance Agents, Brokers And Service	295	60.83
	Life Insurance	100	20.62
	Fire, Marine And Casualty Insurance	70	14.43
o	Legal Secretaries	385	100.00
	Legal Services	360	93.51
o	Medical Secretaries	555	100.00
	Office Of Physicians	310	55.86
	Office Of Dentists	140	25.22
	Hospitals	70	12.61
o	Secretaries	5505	100.00
	Colleges, Universities, Professionl Schools, Junior Colleges	405	7.36
	Personnel Supply Services	390	7.08
	Elementary And Secodary Schools	340	6.18
	Local Government, Except Education And Hospitals	260	4.72
	All Other Service	210	3.81
	All Other Durable Goods Manufacturing	195	3.54
	Insurance Agents, Brokers And Service	195	3.54
	Office Computing Machinery	180	3.27
	Miscellaneous Services	175	3.18
	Machinery, Equipment And Supplies	170	3.09
	Fire, Marrine And Casualty Insurance	170	3.09
	Miscellaneous Business Services	155	2.82
	Transportation And Public Utilities	145	2.63
	All Other Nondurable Goods Manufacturing	140	2.54
	All Other Fabricated Metal Products	130	2.36
	All Other Wholesale And Retail Trade	130	2.36
	All Other Finance, Insurance And Real Estate	125	2.27
	All Other Wholesale Trade-durable Goods	115	2.09
	Individual And Family Social Services	115	2.09
	Optical Instruments And Lenses	110	2.00
	All Other Special Trade Constractors	100	1.82
o	Receptionists And Information Clerks	1235	100.00
	All Other Service	255	20.65
	Personnel Supply Services	175	14.17
	Office Of Physicians	120	9.72
	Personal Services	85	6.88
	Hospitals	85	6.88
	All Other Finance, Insurance And Real Estate	80	6.48
	Office Of Dentists	65	5.26
	Durable Goods Manufacturing	60	4.86
	Real Estate	55	4.45
	Local Government, Except Education And Hospitals	55	4.45
	All Other Wholesale Trade-durable Goods	50	4.05
	Insurance Agents, Brokers And Service	50	4.05

Table B:
Southern Worcester Employment in Selected Occupations by Industry

		Employment	Percent Distribution
o	Typists And Word Processors	1560	100.00
	Hospitals	325	20.83
	Personnel Supply Services	305	19.55
	All Other Durable Goods Manufacturing	115	7.37
	All Other Service	115	7.37
	Miscellaneous Nonmetallic Mineral Prod.	105	6.73
	All Other Printing And Publishing	100	6.41
	All Other Finance, Insurance And Real Estate	100	6.41
	All Other Social Services	75	4.81
	Wholesale And Retail Trade	65	4.17
	All Other Business Services	55	3.53
	All Other Educational Services	55	3.53
	Life Insurance	50	3.20
o	Order Clerks - Materials, Merchandise And Service	710	100.00
	All Other Wholesale And Retail Trade	130	18.31
	All Other Durable Goods Manufacturing	105	14.79
	Nondurable Goods Manufacturing	70	9.86
	All Other Wholesale Trade-nondurable Goods	70	9.86
	Optical Instruments And Lenses	60	8.45
	Apparel, Piece Goods And Notions	60	8.45
	Groceries And Related Supplies	55	7.75
	Miscellaneous Nonmetallic Mineral Prod.	50	7.04
	Machinery, Equipment And Supplies	50	7.04
o	Bookkeeping, Accounting, Auditing Clerks	4120	100.00
	All Other Service	310	7.52
	Local Government, Except Education And Hospitals	185	4.49
	All Other Wholesale Trade-nondurable Goods	165	4.00
	All Other Miscellaneous Retail Stores	155	3.76
	All Other Special Trade Constractors	150	3.64
	All Other Durable Goods Manufacturing	140	3.40
	Eating And Drinking Places	140	3.40
	All Other Nondurable Goods Manufacturing	135	3.28
	All Other Wholesale And Retail Trade	130	3.16
	Machinery, Equipment And Supplies	125	3.03
	All Other Finance, Insurance And Real Estate	125	3.03
	Personnel Supply Services	115	2.79
	All Other Fabricated Metal Products	105	2.55
	All Other Wholesale Trade-durable Goods	105	2.55
	Life Insurance	100	2.43
	All Other Health Services	100	2.43
	Miscellaneous Nonmetallic Mineral Prod.	90	2.18
	All Other Machinery, Except Electrical	85	2.06
	All Other Apparel And Accessory Stores	85	2.06
	Office Computing Machinery	80	1.94
	All Other Transportation And Public Utilities	80	1.94
	Lumber And Other Building Materials Dealers	80	1.94
	Food Stores	80	1.94
	Gasoline Service Stations	80	1.94
	Miscellaneous Shopping Goods Stores	80	1.94
	Real Estate	80	1.94
	All Other Educational Services	80	1.94
	General Building Contractors - Residential Buildings	75	1.82
	Miscellaneous Special Trade Contractors	70	1.70
	Trucking, Local And Long Distance	70	1.70

Table B:
Southern Worcester Employment in Selected Occupations by Industry

		Employment	Percent Distribution
o	Payroll And Timekeeping Clerks	415	100.00
	Durable Goods Manufacturing	130	31.33
	All Other Service	95	22.89
	Personnel Supply Services	75	18.07
o	Billing, Cost And Rate Clerks	740	100.00
	All Other Service	150	20.27
	All Other Wholesale And Retail Trade	135	18.24
	Office Of Physicians	95	12.84
	Durable Goods Manufacturing	80	10.81
	All Other Wholesale Trade-durable Goods	70	9.46
	Hospitals	70	9.46
	Transportation And Public Utilities	60	8.11
o	General Office Clerk	5030	100.00
	Life Insurance	425	8.45
	All Other Service	320	6.36
	Hospitals	275	5.47
	Local Government, Except Education And Hospitals	265	5.27
	Miscellaneous Nonmetallic Mineral Prod.	255	5.07
	All Other Transportation And Public Utilities	225	4.47
	Personnel Supply Services	210	4.18
	All Other Printing And Publishing	185	3.68
	Commercial And Stock Savings Banks	185	3.68
	Insurance Agents, Brokers And Service	165	3.28
	All Other Wholesale And Retail Trade	155	3.08
	All Other Miscellaneous Retail Stores	140	2.78
	All Other Wholesale Trade-durable Goods	135	2.69
	Motor Vehicle Dealers (new And Used)	135	2.69
	All Other Machinery, Except Electrical	130	2.58
	All Other Wholesale Trade-nondurable Goods	130	2.58
	All Other Durable Goods Manufacturing	125	2.49
	All Other Special Trade Constractors	110	2.19
	All Other Nondurable Goods Manufacturing	110	2.19
o	Billing, Posting And Calculating Machine Operators	260	100.00
	Office Of Physicians	85	32.69
	Wholesale And Retail Trade	50	19.23
o	Computer Operators, Except Peripheral Equipment	650	100.00
	State Government, Except Education And Hospitals	130	20.00
	Service	120	18.46
	All Other Durable Goods Manufacturing	95	14.62
	Office Computing Machinery	70	10.77
	All Other Wholesale Trade-durable Goods	70	10.77
	Finance, Insurance And Real Estate	50	7.69
o	Data Entry Keyers, Except Composing	990	100.00
	Miscellaneous Business Services	175	17.68
	All Other Service	150	15.15
	Personnel Supply Services	145	14.64
	All Other Printing And Publishing	135	13.64
	Durable Goods Manufacturing	80	8.08
	All Other Insurance Carriers	75	7.58
	All Other Wholesale Trade-nondurable Goods	70	7.07
	All Other Wholesale Trade-durable Goods	55	5.56

Table B:
Southern Worcester Employment in Selected Occupations by Industry

		Employment	Percent Distribution
o	Switchboard Operator	525	100.00
	Hospitals	125	23.81
	Wholesale And Retail Trade	80	15.24
	Finance, Insurance And Real Estate	75	14.29
	All Other Service	65	12.38
	Durable Goods Manufacturing	60	11.43
	Personnel Supply Services	50	9.52
o	Production, Planning, Expediting Clerks	410	100.00
	Nondurable Goods Manufacturing	100	24.39
	All Other Durable Goods Manufacturing	95	23.17
	All Other Machinery, Except Electrical	80	19.51
	All Other Fabricated Metal Products	60	14.63
	Transportation And Public Utilities	60	14.64
o	Stock Clerks - Stockroom, Warehouse And Storage Yard	1475	100.00
	All Other Wholesale And Retail Trade	175	11.86
	All Other Wholesale Trade-durable Goods	170	11.52
	Service	145	9.83
	All Other Wholesale Trade-nondurable Goods	125	8.48
	Transportation And Public Utilities	105	7.12
	All Other Apparel And Accessory Stores	105	7.12
	Nondurable Goods Manufacturing	95	6.44
	All Other Machinery, Except Electrical	90	6.10
	Lumber And Other Building Materials Dealers	90	6.10
	All Other Instruments And Related Products	85	5.76
	All Other Durable Goods Manufacturing	75	5.09
	All Other Miscellaneous Retail Stores	65	4.41
	Apparel, Piece Goods And Notions	55	3.73
	Furniture, Home Furnishings, Equip Stores, Exc Appliances	55	3.73
o	Order Fillers, Wholesale And Retail Sales	615	100.00
	All Other Wholesale Trade-nondurable Goods	315	51.22
	All Other Wholesale Trade-durable Goods	115	18.70
	Groceries And Related Supplies	90	14.63
	Machinery, Equipment And Supplies	65	10.57
o	Traffic, Shipping And Receiving Clerks	1355	100.00
	All Other Nondurable Goods Manufacturing	195	14.39
	All Other Wholesale Trade-nondurable Goods	165	12.18
	All Other Durable Goods Manufacturing	155	11.44
	All Other Wholesale Trade-durable Goods	95	7.01
	All Other Fabricated Metal Products	85	6.27
	Apparel, Piece Goods And Notions	80	5.90
	All Other Wholesale And Retail Trade	70	5.17
	Metalworking Machinery	65	4.80
	All Other Machinery, Except Electrical	60	4.43
	Personnel Supply Services	60	4.43
	All Other Instruments And Related Products	55	4.06
	Machinery, Equipment And Supplies	55	4.06
	Miscellaneous Plastics Products	50	3.69
	Department Stores	50	3.69
	Food Stores	50	3.69

Table B: Southern Worcester Employment in Selected Occupations by Industry

			Employment	Percent Distribution
Service Occupations	o	Fire Fighters	485	100.00
		Local Government, Except Education And Hospitals	485	100.00
	o	Police Detectives And Investigators	350	100.00
		Local Government, Except Education And Hospitals	350	100.00
	o	Correction Officers And Jailers	600	100.00
		Local Government, Except Education And Hospitals	600	100.00
	o	Guards And Watch Guards	1560	100.00
		Miscellaneous Business Services	900	57.69
		All Other Service	140	8.97
		Hospitals	100	6.41
		Finance, Insurance And Real Estate	65	4.17
		All Other Durable Goods Manufacturing	60	3.84
		All Other Fabricated Metal Products	55	3.53
		Eating And Drinking Places	55	3.53
		All Other Wholesale And Retail Trade	55	3.53
		Colleges, Universities, Professionl Schools, Junior Colleges	55	3.53
	o	Hosts And Hostesses	410	100.00
		Eating And Drinking Places	365	89.02
	o	Bartenders	1235	100.00
		Eating And Drinking Places	735	59.51
		Civic, Social, And Fraternal Associations	355	28.75
		Hotels, Motels And Tourist Courts	100	8.10
	o	Waiters And Waitresses	4795	100.00
		Eating And Drinking Places	4085	85.19
		Hotels, Motels And Tourist Courts	315	6.57
		Hospitals	120	2.50
		Civic, Social, And Fraternal Associations	110	2.30
		Nursing And Personal Care Facilities	70	1.46
		All Other Service	70	1.46
	o	Dining Room, Counter And Cafe Attendants	1050	100.00
		Eating And Drinking Places	620	59.05
		All Other Wholesale And Retail Trade	190	18.09
		Food Stores	130	12.38
		Service	110	10.48
	o	Bakers, Bread And Pastry	265	100.00
		All Other Wholesale And Retail Trade	190	71.70
		Food Stores	60	22.64
	o	Butchers And Meat Cutters	315	100.00
		Food Stores	205	65.08
		Groceries And Related Supplies	80	25.40

Table B:
Southern Worcester Employment in Selected Occupations by Industry

		Employment	Percent Distribution
o	Cooks, Restaurant	945	100.00
	Eating And Drinking Places	810	85.72
	Hotels, Motels And Tourist Courts	90	9.52
o	Cooks, Institution Or Cafe	620	100.00
	Elementary And Secodary Schools	150	24.19
	Nursing And Personal Care Facilities	145	23.39
	Residential Care	140	22.58
	Hospitals	80	12.90
	All Other Service	60	9.68
o	Cooks, Speciality Fast Food And Fast Food	890	100.00
	Eating And Drinking Places	835	93.82
o	Food Preparation Workers	2175	100.00
	Eating And Drinking Places	785	36.09
	Elementary And Secondary Schools	400	18.39
	Nursing And Personal Care Facilities	370	17.01
	Hospitals	185	8.50
	Food Stores	145	6.67
	Hotels, Motels And Tourist Courts	115	5.29
	All Other Service	95	4.37
	Residential Care	55	2.53
o	Dental Assistants	300	100.00
	Office Of Dentists	295	98.33
o	Nurse Aides, Orderlies And Attendants	3040	100.00
	Nursing And Personal Care Facilities	1755	57.73
	Hospitals	580	19.08
	Personnel Supply Services	255	8.39
	All Other Health Services	245	8.06
	Residential Care	85	2.80
	Health And Allied Services, Not Elsewhere Classified	70	2.30
o	Home Health Aides	800	100.00
	Health And Allied Services, Not Elsewhere Classified	420	52.50
	Personnel Supply Services	160	20.00
	Nursing And Personal Care Facilities	105	13.12
	All Other Health Services	60	7.50
	Individual And Family Social Services	55	6.88
o	Housekeepers And Maids	1500	100.00
	Hospitals	400	26.67
	Hotels, Motels And Tourist Courts	365	24.33
	Nursing And Personal Care Facilities	270	18.00
	Residential Care	170	11.33
	Services To Dwellings And Other Buildings	150	10.00
	All Other Service	100	6.67

Table B:
Southern Worcester
Employment in
Selected Occupations
by Industry

		Employment	Percent Distribution
o	Janitors And Cleaners	2985	100.00
	Services To Dwellings And Other Buildings	715	23.95
	Elementary And Secodary Schools	505	16.92
	Colleges, Universities, Professionl Schools, Junior Colleges	195	6.53
	All Other Service	165	5.53
	Nursing And Personal Care Facilities	145	4.86
	Nondurable Goods Manufacturing	100	3.35
	All Other Durable Goods Manufacturing	95	3.18
	All Other Wholesale And Retail Trade	95	3.18
	All Other Machinery, Except Electrical	80	2.68
	Food Stores	80	2.68
	Mutual Savings Banks	80	2.68
	Eating And Drinking Places	75	2.51
	All Other Instruments And Related Products	70	2.35
	All Other Social Services	70	2.34
	Real Estate	65	2.18
	Civic, Social, And Fraternal Associations	65	2.18
	All Other Automotive Dealers & Service Stations	60	2.01
	Hospitals	60	2.01
	Department Stores	55	1.84
	All Other Business Services	55	1.84
	Metal Stampings	50	1.68
	All Other Wholesale Trade-nondurable Goods	50	1.68
o	Cosmetologists And Related	790	100.00
	Personal Services	720	91.14
	Department Stores	60	7.59
o	Social Welfare Service Aides	285	100.00
	Social Services, Not Elsewhere Classified	95	33.33
	Residential Care	85	29.83
	Indiviual And Family Social Services	55	19.30
	All Other Service	50	17.54
o	Gardeners And Groundskeepers, Except Farm	330	100.00
	Service	145	43.94
	Real Estate	85	25.76
	Wholesale And Retail Trade	55	16.67
Prod., Construction & Machining Occupations			
o	First Line Supervisors - Mechanics And Repairers	740	100.00
	Motor Vehicle Dealers (new And Used)	130	17.57
	Transportation And Public Utilities	120	16.22
	Durable Goods Manufacturing	75	10.13
	All Other Wholesale Trade-durable Goods	75	10.14
	All Other Wholesale And Retail Trade	65	8.78
	All Other Service	60	8.11
	Nondurable Goods Manufacturing	55	7.43
o	First Line Supervisors - Constuction And Related	585	100.00
	General Building Contractors - Residential Buildings	195	33.33
	All Other General Buiding Contractors	125	21.37
	All Other Special Trade Constractors	85	14.53
	Heavy Construction Contractors	70	11.97
	Electrical Work	60	10.26

Table B: Southern Worcester Employment in Selected Occupations by Industry

		Employment	Percent Distribution
o	First Line Supervisors - Production And Related	1315	100.00
	All Other Durable Goods Manufacturing	180	13.69
	All Other Nondurable Goods Manufacturing	175	13.31
	Metal Stampings	170	12.93
	Metalworking Machinery	145	11.03
	Miscellaneous Plastics Products	115	8.75
	All Other Fabricated Metal Products	105	7.99
	Textile Mill Products	90	6.84
	Miscellaneous Fabricated Metal Products	80	6.08
	All Other Machinery, Except Electrical	80	6.08
	Optical Instruments And Lenses	65	4.94
	Nonferrous Rolling And Drawing	55	4.18
	Ophthalmic Goods	55	4.18
o	First Line Supervisors - Transportation And Related	240	100.00
	Trucking, Local And Long Distance	170	70.84
o	Precision And Production Inspectors	1450	100.00
	All Other Durable Goods Manufacturing	225	15.52
	Metal Stampings	195	13.45
	All Other Nondurable Goods Manufacturing	150	10.34
	Textile Mill Prouducts	140	9.65
	Ophthalmic Goods	100	6.90
	Office Computing Machinery	95	6.55
	Miscellaneous Plastics Products	95	6.55
	Optical Instruments And Lenses	80	5.52
	Miscellaneous Fabricated Metal Products	70	4.83
	Metalworking Machinery	70	4.83
	Electronic Components And Accessories	70	4.83
	All Other Electrical And Electronic Equipment	60	4.14
	All Other Machinery, Except Electrical	50	3.45
o	Machinery Maintenance Mechanics	380	100.00
	All Other Durable Goods Manufacturing	185	48.68
	All Other Fabricated Metal Products	65	17.11
	Miscellaneous Plastics Products	55	14.47
o	Maintenance Repairers, General Utility	2175	100.00
	Local Government, Except Education And Hospitals	550	25.28
	All Other Service	260	11.95
	Nondurable Goods Manufacturing	175	8.04
	Real Estate	165	7.58
	All Other Durable Goods Manufacturing	140	6.44
	All Other General Buiding Contractors	130	5.98
	All Other Wholesale And Retail Trade	120	5.52
	All Other Fabricated Metal Products	95	4.37
	Hospitals	75	3.45
	Colleges, Universities, Professionl Schools, Junior Colleges	75	3.45
	State Government, Except Education And Hospitals	75	3.45
	Nursing And Personal Care Facilities	60	2.76
	All Other Wholesale Trade-durable Goods	55	2.53
	All Other Wholesale Trade-nondurable Goods	50	2.30
	All Other Automotive Dealers & Service Stations	50	2.30

Table B: Southern Worcester Employment in Selected Occupations by Industry

		Employment	Percent Distribution
o	Automotive Mechanics	1085	100.00
	Motor Vehicle Dealers (new And Used)	385	35.49
	All Other Automotive Dealers & Service Stations	205	18.89
	Automotive Repair Shops	155	14.29
	Gasoline Service Stations	135	12.44
	All Other Wholesale And Retail Trade	95	8.76
	Transportation And Public Utilities	75	6.91
o	Automotive Body And Related Repairers	705	100.00
	Automotive Repair Shops	565	80.14
	Motor Vehicle Dealers (new And Used)	105	14.89
o	Bus And Truck Mechanics And Diesel Mechanics	315	100.00
	Wholesale And Retail Trade	110	34.92
	Trucking, Local And Long Distance	85	26.98
	Local And Interurban Passenger Transportation	50	15.87
o	Data Processing Equipment Repairers	370	100.00
	Machinery, Equipment And Supplies	330	89.19
o	Heating, Air Conditioning, Refrigeration Mechs, Installers	485	100.00
	Plumbing, Heating (except Electric), Air Conditioning	170	35.05
	All Other Miscellaneous Retail Stores	140	28.87
	All Other Special Trade Constractors	95	19.59
o	Carpenters	1040	100.00
	General Building Contractors - Residential Buildings	490	47.12
	All Other Special Trade Constractors	205	19.71
	All Other General Buiding Contractors	170	16.35
	Durable Goods Manufacturing	60	5.77
	Service	60	5.77
o	Drywall Installers And Tapers	275	100.00
	All Other Special Trade Constractors	245	89.09
o	Electricians	720	100.00
	Electrical Work	505	70.14
	Durable Goods Manufacturing	90	12.50
o	Brick Masons And Stone Masons	680	100.00
	Miscellaneous Nonmetallic Mineral Prod.	490	72.06
	General Building Contractors - Residential Buildings	125	18.38
	All Other Special Trade Constractors	60	8.82
o	Painters, Paperhangers, Construction And Maintenance	380	100.00
	All Other Special Trade Constractors	125	32.89
	General Building Contractors - Residential Buildings	85	22.37
	Local Government, Except Education And Hospitals	75	19.74

Table B: Southern Worcester Employment in Selected Occupations by Industry

		Employment	Percent Distribution
o	Plumbers, Pipefitters And Steamfitters	715	100.00
	Plumbing, Heating (except Electric), Air Conditioning	320	44.75
	Service	220	30.77
	Miscellaneous Special Trade Contractors	90	12.59
o	Tool And Die Makers	595	100.00
	Metalworking Machinery	215	36.13
	All Other Machinery, Except Electrical	125	21.01
	Metal Stampings	75	12.61
	All Other Fabricated Metal Products	75	12.61
	All Other Durable Goods Manufacturing	75	12.60
o	Machinists	1130	100.00
	Metalworking Machinery	280	24.78
	All Other Machinery, Except Electrical	200	17.70
	Automotive Repair Shops	145	12.83
	All Other Durable Goods Manufacturing	140	12.39
	Metal Stampings	120	10.62
	Miscellaneous Fabricated Metal Products	75	6.64
	All Other Fabricated Metal Products	65	5.75
	Nondurable Goods Manufacturing	50	4.42
o	Sheet Metal Workers	725	100.00
	All Other Fabricated Metal Products	265	36.55
	Metalworking Machinery	135	18.62
	All Other Special Trade Constractors	105	14.48
	Furniture And Fixtures	70	9.65
	All Other Machinery, Except Electrical	60	8.28
	Plumbing, Heating (except Electric), Air Conditioning	55	7.59
o	Precision Optical Goods Workers	385	100.00
	Ophthalmic Goods	355	92.21
o	Machine Tool Cutting Operators	1120	100.00
	Miscellaneous Nonmetallic Mineral Prod.	690	61.61
	Metalworking Machinery	175	15.62
	All Other Fabricated Metal Products	125	11.16
	All Other Durable Goods Manufacturing	75	6.70
	Miscellaneous Fabricated Metal Products	55	4.91
o	Extruding, Drawing Machine Setters, Set-up Ops, Metal And Pl	300	100.00
	Nonferrous Rolling And Drawing	270	90.00
o	Sheetmetal Machine Operator	615	100.00
	Metalworking Machinery	180	29.27
	Miscellaneous Fabricated Metal Products	130	21.14
	All Other Machinery, Except Electrical	90	14.63
	All Other Fabricated Metal Products	70	11.38
	Nonferrous Rolling And Drawing	65	10.57
	All Other Durable Goods Manufacturing	60	9.76

Table B:
Southern Worcester
Employment in
Selected Occupations
by Industry

		Employment	Percent Distribution
o	Plastic Molding, Casting Machine Operators And Tenders	555	100.00
	Miscellaneous Plastics Products	490	88.29
	Durable Goods Manufacturing	55	9.91
o	Textile Machine Ops, Tenders - Winding, Twisting, Knitting	835	100.00
	Textile Mill Prouducts	740	88.62
	All Other Nondurable Goods Manufacturing	90	10.78
o	Sewing Machine Operators, Garment	360	100.00
	All Other Nondurable Goods Manufacturing	245	68.06
	Textile Mill Prouducts	80	22.22
o	Sewing Machine Operators, Non-garment	320	100.00
	Nondurable Goods Manufacturing	135	42.19
	Apparel, Piece Goods And Notions	105	32.81
	Durable Goods Manufacturing	65	20.31
o	Laundry And Drycleaning Machine Operators	405	100.00
	Personal Services	185	45.68
	Nursing And Personal Care Facilities	145	35.80
	Hospitals	55	13.58
o	Electronic Semiconductor Processors	770	100.00
	Electronic Components And Accessories	735	95.45
o	Crushing, Grinding, Mixing, Blending Machine Ops And Tenders	265	100.00
	All Other Durable Goods Manufacturing	140	52.83
	Nondurable Goods Manufacturing	60	22.64
	Ophthalmic Goods	55	20.76
o	Packaging And Filling Machine Operators	295	100.00
	Durable Goods Manufacturing	120	40.68
	Food And Kindred Products	75	25.42
	All Other Nondurable Goods Manufacturing	60	20.34
o	Machine Builders And Other Precision Machine	245	100.00
	Metalworking Machinery	175	71.43
	All Other Machinery, Except Electrical	70	28.57
o	Electrical And Electronic Equipment Assembler	240	100.00
	All Other Electrical And Electronic Equipment	150	62.50
	All Other Machinery, Except Electrical	55	22.92
o	Electrical And Electronic Assemblers	235	100.00
	Office Computing Machinery	95	40.43
	All Other Durable Goods Manufacturing	75	31.91
	All Other Electrical And Electronic Equipment	65	27.66

Table B:
Southern Worcester Employment in Selected Occupations by Industry

		Employment	Percent Distribution
o	Welders And Cutters	265	100.00
	All Other Machinery, Except Electrical	70	26.41
	Construction	55	20.76
	Miscellaneous Fabricated Metal Products	50	18.87
o	Assemblers, Fabricators - Exc Mach, Electrcl, Electrnc, Prec	1915	100.00
	Miscellaneous Plastics Products	395	20.63
	All Other Durable Goods Manufacturing	335	17.49
	All Other Fabricated Metal Products	260	13.58
	All Other Machinery, Except Electrical	150	7.83
	Furniture And Fixtures	145	7.57
	Nonferrous Rolling And Drawing	120	6.27
	Electronic Components And Accessories	115	6.01
	All Other Electrical And Electronic Equipment	115	6.00
	Miscellaneous Fabricated Metal Products	85	4.44
	Wholesale And Retail Trade	80	4.18
	All Other Nondurable Goods Manufacturing	65	3.39
	Paper And Allied Products	50	2.61
o	Truck Drivers, Heavy	2450	100.00
	Trucking, Local And Long Distance	800	32.65
	Durable Goods Manufacturing	300	12.24
	Groceries And Related Supplies	225	9.18
	Lumber And Other Building Materials Dealers	125	5.10
	All Other Miscellaneous Retail Stores	125	5.10
	Furniture, Home Furnishings, Equip Stores, Exc Appliances	120	4.90
	Machinery, Equipment And Supplies	110	4.49
	All Other Wholesale Trade-nondurable Goods	110	4.49
	All Other Wholesale And Retail Trade	95	3.88
	Nondurable Goods Manufacturing	90	3.67
	All Other Special Trade Constractors	80	3.27
	All Other Construction	70	2.86
	All Other Transportation And Public Utilities	70	2.86
	All Other Wholesale Trade-durable Goods	70	2.86
o	Truck Drivers, Light - Including Delivery And Route Drivers	1505	100.00
	Trucking, Local And Long Distance	315	20.93
	All Other Wholesale Trade-durable Goods	215	14.28
	Service	205	13.62
	All Other Wholesale And Retail Trade	150	9.97
	Groceries And Related Supplies	115	7.64
	All Other Wholesale Trade-nondurable Goods	90	5.98
	All Other Miscellaneous Retail Stores	90	5.98
	Durable Goods Manufacturing	85	5.65
	Nondurable Goods Manufacturing	65	4.32
	Construction	60	3.99
	All Other Automotive Dealers & Service Stations	55	3.65
o	Bus Drivers	310	100.00
	Local And Interurban Passenger Transportation	260	83.87
o	Bus Drivers, School	515	100.00
	Local And Interurban Passenger Transportation	460	89.32
	Elementary And Secondary Schools	55	10.68

Table B:
Southern Worcester Employment in Selected Occupations by Industry

		Employment	Percent Distribution
o	Driver/Sales Workers	520	100.00
	Eating And Drinking Places	190	36.54
	Food And Kindred Products	80	15.38
	Groceries And Related Supplies	70	13.46
	Newspapers	55	10.58
	All Other Miscellaneous Retail Stores	55	10.58
	Service	50	9.61
o	Service Station Attendants	1055	100.00
	Gasoline Service Stations	845	80.09
	All Other Wholesale Trade-nondurable Goods	115	10.90
	Automotive Repair Shops	65	6.16

Table C: Southern Worcester Employment in Selected Industries by Occupation

			Employment	Percent Distribution
Construction Industries	o	General Building Contractors - Residential Buildings	2255	100.00
		Carpenters	490	21.73
		Helpers, All Other Construction Trades	280	12.42
		First Line Supervisors - Constuction And Related	195	8.65
		Operating Engineers	170	7.54
		All Other Helpers, Laborers, Movers - Hand	150	6.65
		Construction Managers	130	5.76
		Brick Masons And Stone Masons	125	5.54
		All Other Construction And Extractive Occupations	100	4.43
		General Managers And Top Executives	85	3.77
		Painters, Paperhangers, Construction And Maintenance	85	3.77
		General Office Clerk	80	3.55
		Bookkeeping, Accounting, Auditing Clerks	75	3.32
		All Other Clerical And Administrative Support Workers	65	2.88
		All Other Material Moving Equipment Operators	55	2.44
		Management Support Occupations	50	2.22
	o	Plumbing, Heating (except electric), Air Conditioning	1030	100.00
		Plumbers, Pipefitters And Steamfitters	325	31.55
		Heating, Air Conditioning, Refrigeration Mechs, Installers	165	16.02
		Sheet Metal Duct Installers	105	10.19
		All Other Clerical And Administrative Support Workers	80	7.77
		Helpers, All Other Construction Trades	80	7.77
		Managerial And Administrative Occupations	75	7.28
		Sheet Metal Workers	55	5.34
		Secretaries, Stenographers And Typists	50	4.85
	o	Electrical Work	1790	100.00
		Electricians	505	28.21
		Helpers, All Other Construction Trades	225	12.57
		All Other Professional, Paraprofessional And Technicians	130	7.26
		Engineering, Mathematical And Natural Science Managers	120	6.70
		Interior Designers	110	6.15
		Computer Programmers	105	5.87
		Electrical And Electronic Engineers	90	5.03
		Clerical And Administrative Support Occupations	90	5.03
		All Other Engineers	85	4.75
		Ail Other Managers And Administrators	70	3.91
		Management Support Occupations	65	3.63
		Electrical, Electronic Engineerng Technicians, Technologists	65	3.63
		First Line Supervisors - Constuction And Related	60	3.35
		Mechanics, Installers And Repairers	50	2.79
	o	Miscellaneous Special Trade Contractors	1440	100.00
		Reinforcing Metal Workers	230	15.97
		Excavating And Loading Machine Operators	150	10.42
		Helpers, All Other Construction Trades	120	8.33
		General Managers And Top Executives	110	7.64
		All Other Clerical And Administrative Support Workers	100	6.94
		Plumbers, Pipefitters And Steamfitters	90	6.25
		All Other Construction And Extractive Occupations	80	5.56
		Elevator Installers And Repairers	75	5.21
		Bookkeeping, Accounting, Auditing Clerks	70	4.86
		Concrete And Terrazzo Finishers	70	4.86
		All Other Material Moving Equipment Operators	70	4.86
		All Other Managers And Administrators	65	4.52
		Metal Fabricators, Structural Metal Products	65	4.52

Table C: Southern Worcester Employment in Selected Industries by Occupation

			Employment	Percent Distribution
Manufacturing Industries	o	Furniture And Fixtures	1370	100.00
		Machine Setters, Set-up Operators, Operators And Tenders	225	16.42
		Clerical And Administrative Support Occupations	215	15.69
		Assemblers, Fabricators - Exc Mach, Electrcl, Electrnc, Prec	145	10.58
		Sales Reps, Exc Scientific And Related Products Or Services	140	10.22
		All Other Precision Workers	120	8.76
		Professional, Paraprofessional And Technical Occupations	90	6.57
		All Other Hand Workers	75	5.47
		Managerial And Administrative Occupations	70	5.11
		Sheet Metal Workers	70	5.11
		Upholsterers	70	5.11
		Cabinetmakers And Bench Carpenters	60	4.38
	o	Miscellaneous Nonmetallic Mineral Prod.	3825	100.00
		Machine Tool Cutting Operators	690	18.04
		Helpers, Laborers And Related	530	13.86
		Brick Masons And Stone Masons	490	12.81
		General Office Clerk	255	6.67
		Sales Reps, Scientific And Related Products And Services	200	5.23
		All Other Managers And Administrators	140	3.66
		First Line Supervisors - Service	135	3.53
		Management Support Occupations	125	3.27
		All Other Clerical And Administrative Support Workers	115	3.01
		Personnel, Training And Labor Relation Managers	110	2.88
		Chemical Engineers	105	2.74
		Typists And Word Processors	105	2.74
		All Other Professional, Paraprofessional And Technicians	100	2.61
		Bookkeeping, Accounting, Auditing Clerks	90	2.35
		Mechanics, Installers And Repairers	85	2.22
		Secretaries, Stenographers And Typists	80	2.09
		General Managers And Top Executives	70	1.83
		All Other Engineers	70	1.83
		All Other Machine Operators	60	1.57
		Marketing, Advertising And Related Managers	55	1.44
		Sales Reps, Exc Scientific And Related Products Or Services	50	1.31
		All Other Sales And Related Workers	50	1.31
		Order Clerks - Materials, Merchandise And Service	50	1.31
	o	Nonferrous Rolling And Drawing	1265	100.00
		Extruding, Drawing Machine Setters, Set-up Ops, Metal And Pla	270	21.34
		Assemblers, Fabricators - Exc Mach, Electrcl, Electrnc, Prec	120	9.49
		All Other Metal And Plastic Machine Operators And Tenders	115	9.09
		All Other Machine Operators	115	9.09
		Clerical And Administrative Support Occupations	105	8.30
		Helpers, Laborers And Related	90	7.12
		Precision Production Occupations	85	6.72
		Managerial And Administrative Occupations	65	5.14
		Sheetmetal Machine Operator	65	5.14
		First Line Supervisors - Production And Related	55	4.35
		Mechanics, Installers And Repairers	50	3.95
	o	Metal Stampings	2320	100.00
		Milling, Planing Machine Setters, Set-up Ops, Metal, Plastic	245	10.56
		All Other Metal And Plastic Machine Operators And Tenders	215	9.27
		Precision And Production Inspectors	195	8.41
		Clerical And Administrative Support Occupations	185	7.98

Table C: Southern Worcester Employment in Selected Industries by Occupation

		Employment	Percent Distribution
	First Line Supervisors - Production And Related	170	7.33
	All Other Metal, Plastic Machine Setters, Set-up Operators	145	6.25
	Managerial And Administrative Occupations	135	5.82
	Engineers	130	5.60
	Engineering And Related Technicians And Technologists	120	5.17
	Machinists	120	5.17
	All Other Professional, Paraprofessional And Technicians	110	4.74
	All Other Precision Workers	90	3.88
	All Other Mechanics, Installers And Repairers	75	3.23
	Tool And Die Makers	75	3.23
	Transportation, Material Moving Machine And Vehicle Operators	70	3.02
	Millwrights	55	2.37
	Janitors And Cleaners	50	2.16
o	Miscellaneous Fabricated Metal Products	2045	100.00
	All Other Metal, Plastic Machine Setters, Set-up Operators	180	8.80
	All Other Helpers, Laborers, Movers - Hand	155	7.58
	Managerial And Administrative Occupations	145	7.09
	All Other Clerical And Administrative Support Workers	130	6.36
	Sheetmetal Machine Operator	130	6.36
	All Other Metal And Plastic Machine Operators And Tenders	110	5.38
	Press, Press Brake Machine Setters, Set-up Ops, Metal, Plas	90	4.40
	Assemblers, Fabricators - Exc Mach, Electrcl, Electrnc, Prec	85	4.16
	First Line Supervisors - Production And Related	80	3.91
	All Other Precision Workers	80	3.91
	Machinists	75	3.67
	All Other Precision Metal Workers	75	3.67
	Precision And Production Inspectors	70	3.42
	Material Recording, Scheduling, Dispatching, Distributing	65	3.18
	All Other Machine Operators	65	3.18
	Management Support Occupations	60	2.93
	All Other Professional, Paraprofessional And Technicians	60	2.93
	Machine Tool Cutting Operators	55	2.69
	Engineering And Related Technicians And Technologists	50	2.44
	Sales And Related Occupations	50	2.44
	Welders And Cutters	50	2.44
	Transportation, Material Moving Machine And Vehicle Operators	50	2.45
	Hand Packers And Packagers	50	2.45
o	All Other Fabricated Metal Products	2990	100.00
	Sheet Metal Workers	250	8.36
	Assemblers, Fabricators - Exc Mach, Electrcl, Electrnc, Prec	245	8.20
	All Other Helpers, Laborers, Movers - Hand	195	6.52
	All Other Metal And Plastic Machine Operators And Tenders	150	5.02
	All Other Precision Workers	135	4.52
	General Managers And Top Executives	125	4.18
	All Other Metal, Plastic Machine Setters, Set-up Operators	110	3.68
	Management Support Occupations	105	3.51
	First Line Supervisors - Production And Related	105	3.51
	Machine Tool Cutting Operators	105	3.51
	All Other Managers And Administrators	100	3.35
	Precision Tool Grinders, Filers, Sharpeners	95	3.18
	All Other Clerical And Administrative Support Workers	90	3.01
	Mechanical Engineers	85	2.84
	Mechanics, Installers And Repairers	85	2.84
	Grinding And Polishing Workers, Hand	80	2.68
	Material Recording, Scheduling, Dispatching, Distributing	75	2.51
	All Other Machine Operators	75	2.51
	Bookkeeping, Accounting, Auditing Clerks	70	2.34
	Drafters	65	2.17

Table C: Southern Worcester Employment in Selected Industries by Occupation

		Employment	Percent Distribution
	Machinists	65	2.17
	Lathe, Turning Mach Tool Setters, Set-up Operators, Metal, Pl	65	2.17
	Electrolytic Plating And Coating Machine Operators, Tenders	65	2.17
	Hand Packers And Packagers	60	2.01
o	Metalworking Machinery	3725	100.00
	Machinists	275	7.38
	Tool And Die Makers	215	5.77
	All Other Clerical And Administrative Support Workers	195	5.24
	Sheetmetal Machine Operator	180	4.83
	Machine Tool Cutting Operators	175	4.70
	Machine Builders And Other Precision Machine	175	4.70
	First Line Supervisors - Production And Related	145	3.89
	All Other Managers And Administrators	140	3.76
	All Other Metal And Plastic Machine Operators And Tenders	140	3.76
	Sales And Related Occupations	135	3.62
	Sheet Metal Workers	135	3.62
	Milling, Planing Machine Setters, Set-up Ops, Metal, Plastic	115	3.09
	All Other Hand Workers	115	3.09
	All Other Professional, Paraprofessional And Technicians	110	2.95
	All Other Engineers	105	2.82
	All Other Material Recording And Related Workers	100	2.69
	Management Support Occupations	80	2.15
	Mechanical Engineers	80	2.15
	Precision Tool Grinders, Filers, Sharpeners	80	2.15
	General Managers And Top Executives	75	2.01
o	Office Computing Machinery	4590	100.00
	All Other Managers And Administrators	680	14.82
	Computer Programmers	635	13.83
	Electrical And Electronic Engineers	510	11.11
	First Line Supvervisors - Clerical And Administrative Clerks	425	9.26
	Sales Reps, Scientific And Related Products And Services	385	8.39
	Secretaries, Stenographers And Typists	180	3.92
	All Other Financial Specialists	175	3.81
	All Other Clerical And Administrative Support Workers	150	3.27
	Accountants And Auditors	140	3.05
	Systems Analysts, Electronic Data Processing	135	2.94
	Electrical, Electronic Engineerng Technicians, Technologists	125	2.72
o	All Other Machinery, Except Electrical	2645	100.00
	Lathe, Turning Mach Tool Setters, Set-up Operators, Metal, Pl	205	7.75
	Machinists	190	7.18
	All Other Clerical And Administrative Support Workers	170	6.43
	All Other Metal, Plastic Machine Setters, Set-up Operators	155	5.86
	All Other Managers And Administrators	120	4.54
	Tool And Die Makers	120	4.54
	Assemblers, Fabricators - Exc Mach, Electrcl, Electrnc, Prec	120	4.54
	General Managers And Top Executives	115	4.35
	All Other Precision Workers	105	3.97
	Sales And Related Occupations	90	3.40
	Sheetmetal Machine Operator	90	3.40
	General Office Clerk	85	3.21
	Industrial Production Managers	80	3.02
	All Other Hand Workers	75	2.83
	Engineers	70	2.65
	First Line Supervisors - Production And Related	70	2.65
	Numerical Control Machine Tool Operators, Tenders, Met, Plas	70	2.65
	All Other Material Recording And Related Workers	65	2.46

Table C: Southern Worcester Employment in Selected Industries by Occupation

		Employment	Percent Distribution
	Sheet Metal Workers	65	2.46
	Machine Builders And Other Precision Machine	65	2.46
	All Other Professional, Paraprofessional And Technicians	60	2.27
	Drafters	55	2.08
	Secretaries, Stenographers And Typists	55	2.08
	Blue Collar Worker Supervisors	55	2.08
o	Electronic Components And Accessories	2410	100.00
	Electronic Semiconductor Processors	735	30.50
	Electrical And Electronic Engineers	290	12.03
	Electrical, Electronic Engineerng Technicians, Technologists	185	7.68
	All Other Clerical And Administrative Support Workers	130	5.39
	All Other Managers And Administrators	120	4.98
	Assemblers, Fabricators - Exc Mach, Electrcl, Electrnc, Prec	115	4.77
	Management Support Occupations	110	4.56
	Industrial Production Managers	100	4.15
	All Other Hand Workers	80	3.32
	Secretaries, Stenographers And Typists	75	3.11
	Precision And Production Inspectors	70	2.91
	Sales And Related Occupations	65	2.70
	Precision Production Occupations	65	2.70
	All Other Engineering Technicians And Technologists	60	2.49
	Engineering, Mathematical And Natural Science Managers	55	2.28
	All Other Engineers	55	2.28
o	All Other Electrical And Electronic Equipment	1160	100.00
	All Other Clerical And Administrative Support Workers	130	11.21
	Electrical And Electronic Equipment Assembler	125	10.78
	All Other Hand Workers	120	10.35
	Machine Setters, Set-up Operators, Operators And Tenders	115	9.91
	Assemblers, Fabricators - Exc Mach, Electrcl, Electrnc, Prec	115	9.91
	Managerial And Administrative Occupations	105	9.05
	Engineering And Related Technicians And Technologists	70	6.03
	All Other Precision Workers	70	6.03
	Material Recording, Scheduling, Dispatching, Distributing	65	5.60
	Precision And Production Inspectors	60	5.17
	Engineers	55	4.74
o	Optical Instruments And Lenses	2355	100.00
	Managerial And Administrative Occupations	215	9.13
	All Other Sales And Related Workers	150	6.37
	Electromechanical Equipment Assemblers - Prec	145	6.16
	All Other Hand Workers	135	5.73
	All Other Clerical And Administrative Support Workers	125	5.31
	All Other Machine Operators	115	4.88
	Secretaries, Stenographers And Typists	110	4.67
	All Other Professional, Paraprofessional And Technicians	105	4.46
	Precision Production Occupations	105	4.46
	All Other Management Support Workers	100	4.25
	Electrical And Electronic Engineers	100	4.25
	All Other Engineering Technicians And Technologists	100	4.25
	All Other Engineers	95	4.03
	Material Recording, Scheduling, Dispatching, Distributing	85	3.61
	Sales Reps, Scientific And Related Products And Services	80	3.40
	Precision And Production Inspectors	80	3.40
	Electrolytic Plating And Coating Machine Operators, Tenders	75	3.19
	First Line Supervisors - Production And Related	65	2.76
	Mechanical Engineers	60	2.55
	Order Clerks - Materials, Merchandise And Service	60	2.55

Table C: Southern Worcester Employment in Selected Industries by Occupation

		Employment	Percent Distribution
o	Ophthalmic Goods	1525	100.00
	Precision Optical Goods Workers	355	23.28
	All Other Clerical And Administrative Support Workers	255	16.72
	Professional, Paraprofessional And Technical Occupations	115	7.54
	Material Recording, Scheduling, Dispatching, Distributing	100	6.56
	Precision And Production Inspectors	100	6.56
	Managerial And Administrative Occupations	95	6.23
	All Other Precision Workers	95	6.23
	All Other Machine Operators	95	6.23
	Helpers, Laborers And Related	70	4.59
	First Line Supervisors - Production And Related	60	3.93
	All Other Metal, Plastic Machine Setters, Set-up Operators	60	3.93
	Service Occupations	55	3.61
	Crushing, Grinding, Mixing, Blending Machine Ops And Tenders	55	3.61
o	All Other Durable Goods Manufacturing	3080	100.00
	Assemblers, Fabricators - Exc Mach, Electrcl, Electrnc, Prec	280	9.09
	Truck Drivers, Heavy	220	7.14
	All Other Metal And Plastic Machine Operators And Tenders	195	6.33
	General Managers And Top Executives	140	4.55
	All Other Precision Workers	135	4.38
	Precision And Production Inspectors	130	4.22
	All Other Helpers, Laborers, Movers - Hand	130	4.22
	All Other Metal, Plastic Machine Setters, Set-up Operators	125	4.06
	All Other Hand Workers	120	3.90
	All Other Clerical And Administrative Support Workers	115	3.73
	First Line Supervisors - Production And Related	110	3.57
	All Other Machine Operators	110	3.57
	Sales And Related Occupations	105	3.41
	All Other Professional, Paraprofessional And Technicians	100	3.25
	Mechanics, Installers And Repairers	95	3.08
	Crushing, Grinding, Mixing, Blending Machine Ops And Tenders	90	2.92
	All Other Managers And Administrators	75	2.44
	Secretaries, Stenographers And Typists	75	2.44
	Machine Feeders And Offbearers	75	2.43
	Engineers	70	2.27
o	Food And Kindred Products	1035	100.00
	Clerical And Administrative Support Occupations	110	10.63
	Bakers, Manufacturing	105	10.14
	Helpers, Laborers And Related	105	10.14
	All Other Sales And Related Workers	95	9.18
	Managerial And Administrative Occupations	80	7.73
	All Other Precision Workers	80	7.73
	Driver/sales Workers	80	7.73
	Packaging And Filling Machine Operators	75	7.25
	Salespersons, Retail Trade	65	6.28
	Slaughterers And Butchers	60	5.80
	All Other Machine Operators	60	5.80
	Service Occupations	55	5.31
	All Other Material Moving Equipment Operators	50	4.83
o	Textile Mill Products	3040	100.00
	Textile Machine Ops, Tenders - Winding, Twisting, Knitting	745	24.51
	All Other Machine Operators	435	14.31
	Helpers, Laborers And Related	220	7.24
	All Other Clerical And Administrative Support Workers	200	6.58

Table C:
Southern Worcester
Employment in
Selected Industries
by Occupation

		Employment	Percent Distribution
	Precision And Production Inspectors	140	4.61
	Textile Bleaching And Dyeing Machine Operators And Tenders	140	4.61
	All Other Mechanics, Installers And Repairers	115	3.78
	Textile Machine Setters And Set-up Operators	105	3.45
	Material Recording, Scheduling, Dispatching, Distributing	90	2.96
	First Line Supervisors - Production And Related	90	2.96
	Machinery Maintenance Mechanics, Textile Machines	80	2.63
	Sewing Machine Operators, Garment	80	2.63
	General Managers And Top Executives	70	2.30
	Professional, Paraprofessional And Technical Occupations	65	2.14
	Precision Textile, Apparel And Furnishings Workers	65	2.14
o	Paper And Allied Products	1355	100.00
	All Other Machine Operators	395	29.15
	Paper Goods Machine Setters And Set-up Operators	140	10.33
	All Other Clerical And Administrative Support Workers	115	8.49
	Machine Feeders And Offbearers	110	8.12
	Managerial And Administrative Occupations	90	6.64
	Precision Production Occupations	70	5.17
	Transportation, Material Moving Machine And Vehicle Operators	70	5.17
	Material Recording, Scheduling, Dispatching, Distributing	65	4.80
	Machinery Maintenance Mechanics	55	4.06
	Printing Press Machine Operators	55	4.06
	Assemblers, Fabricators - Exc Mach, Electrcl, Electrnc, Prec	55	4.06
o	Newspapers	1320	100.00
	All Other Clerical And Administrative Support Workers	250	18.94
	Reporters And Correspondents	150	11.36
	All Other Helpers, Laborers, Movers - Hand	105	7.95
	Sales Agents, Advertising	85	6.44
	Hand Packers And Packagers	85	6.44
	All Other Professional, Paraprofessional And Technicians	80	6.06
	General Office Clerk	80	6.06
	Writers And Editors, Including Technical Writers	65	4.92
	Managerial And Administrative Occupations	60	4.54
	Production, Construction And Maintenance Occupations	55	4.17
	All Other Machine Operators	55	4.17
	Driver/sales Workers	55	4.17
	All Other Sales And Related Workers	50	3.79
	Advertising Clerks	50	3.79
	All Other Printing, Binding, Related Machine Ops And Tenders	50	3.79
o	Commercial Printing	1160	100.00
	All Other Clerical And Administrative Support Workers	265	22.85
	Offset Lithographic Press Setters	120	10.35
	All Other Printing, Binding, Related Machine Ops And Tenders	100	8.62
	All Other Precision Workers	95	8.19
	All Other Machine Operators	95	8.19
	Sales And Related Occupations	90	7.76
	General Managers And Top Executives	80	6.90
	Precision Printing Workers	75	6.47
	Printing Press Machine Operators	60	5.17
	Mail Machine Operators, Preparing And Handling	55	4.74
o	All Other Printing And Publishing	1365	100.00
	Managerial And Administrative Occupations	170	12.45
	All Other Clerical And Administrative Support Workers	160	11.72
	General Office Clerk	150	10.99

Table C:
Southern Worcester
Employment in
Selected Industries
by Occupation

			Employment	Percent Distribution
		First Line Supervisors And Manager/supervisors - Sales And Re	145	10.62
		Sales Reps, Exc Scientific And Related Products Or Services	135	9.89
		Data Entry Keyers, Except Composing	130	9.52
		Management Support Occupations	85	6.23
		Computer Programmers	75	5.50
		All Other Professional, Paraprofessional And Technicians	60	4.40
		Typesetting And Composing Machine Operators And Tenders	55	4.03
	o	Miscellaneous Plastics Products	3175	100.00
		Plastic Molding, Casting Machine Operators And Tenders	490	15.43
		Assemblers, Fabricators - Exc Mach, Electrcl, Electrnc, Prec	395	12.44
		Machine Feeders And Offbearers	235	7.40
		All Other Clerical And Administrative Support Workers	230	7.24
		Hand Packers And Packagers	225	7.09
		All Other Machine Operators	175	5.51
		All Other Managers And Administrators	125	3.94
		All Other Metal, Plastic Machine Setters, Set-up Operators	125	3.94
		All Other Metal And Plastic Machine Operators And Tenders	125	3.94
		First Line Supervisors - Production And Related	115	3.62
		Professional, Paraprofessional And Technical Occupations	110	3.47
		Precision And Production Inspectors	95	2.99
		All Other Helpers, Laborers, Movers - Hand	90	2.84
		General Managers And Top Executives	80	2.52
		Sales And Related Occupations	70	2.21
	o	All Other Nondurable Goods Manufacturing	3120	100.00
		All Other Machine Operators	385	12.34
		Helpers, Laborers And Related	300	9.62
		All Other Clerical And Administrative Support Workers	295	9.45
		Sewing Machine Operators, Garment	245	7.85
		Professional, Paraprofessional And Technical Occupations	205	6.57
		All Other Managers And Administrators	175	5.61
		Hand Working Occupations, Including Assemblers, Fabricators	165	5.29
		Precision Production Occupations	145	4.65
		Mechanics, Installers And Repairers	120	3.85
		Shoe Sewing Machine Operators	120	3.85
		Sewing Machine Operators, Non-garment	115	3.69
		All Other Sales And Related Workers	110	3.53
		Chemical Equipment Tenders	110	3.53
		Precision And Production Inspectors	100	3.21
		Sales Reps, Scientific And Related Products And Services	75	2.40
		First Line Supervisors - Production And Related	75	2.40
Transportation, Communications & Utilities	o	Local And Interurban Passenger Transportation	1290	100.00
		Bus Drivers, School	460	35.66
		Bus Drivers	260	20.16
		Emergency Medical Technicians	215	16.67
		Clerical And Administrative Support Occupations	100	7.75
		Taxi Drivers And Chauffeurs	85	6.59
		Bus And Truck Mechanics And Diesel Mechanics	50	3.88
	o	Trucking, Local And Long Distance	2750	100.00
		Truck Drivers, Heavy	800	29.09
		Hand Packers And Packagers	605	22.00
		Truck Drivers, Light - Including Delivery And Route Drivers	315	11.46
		First Line Supervisors - Transportation And Related	170	6.18
		All Other Clerical And Administrative Support Workers	135	4.91
		Industrial Truck And Tractor Operators	100	3.64
		All Other Helpers, Laborers, Movers - Hand	100	3.64

Table C: Southern Worcester Employment in Selected Industries by Occupation

			Employment	Percent Distribution
		General Office Clerk	90	3.27
		Bus And Truck Mechanics And Diesel Mechanics	85	3.09
		Bookkeeping, Accounting, Auditing Clerks	70	2.55
		Communications, Transportation, Utilities Operations Managers	65	2.36
	o	All Other Transportation And Public Utilities	5235	100.00
		Electric Powerline Installers And Repairers	685	13.08
		First Line Supvervisors - Clerical And Administrative Clerks	320	6.11
		All Other Clerical And Administrative Support Workers	270	5.16
		General Managers And Top Executives	225	4.30
		General Office Clerk	215	4.11
		All Other Professional, Paraprofessional And Technicians	205	3.92
		Electric Meter Installers And Repairers	180	3.44
		Meter Readers, Utilities	160	3.06
		Station Installers And Repairers, Telephone	160	3.06
		Travel Agents	155	2.96
		All Other Mechanics, Installers And Repairers	150	2.86
		Adjustment Clerks	140	2.67
		Engineers	135	2.58
		All Other Sales Representatives, Service	120	2.29
		First Line Supervisors - Mechanics And Repairers	115	2.20
		Central Office And Pbx Installers And Repairers	115	2.20
		Electrical, Electronic Engineerng Technicians, Technologists	110	2.10
		Drafters	105	2.01
Wholesale & Retail Trade	o	Machinery, Equipment And Supplies	3520	100.00
		Data Processing Equipment Repairers	330	9.38
		Sales Reps, Exc Scientific And Related Products Or Services	305	8.67
		Sales Reps, Scientific And Related Products And Services	290	8.24
		All Other Clerical And Administrative Support Workers	280	7.96
		Helpers, Laborers And Related	240	6.82
		All Other Managers And Administrators	175	4.97
		Secretaries, Stenographers And Typists	170	4.83
		General Managers And Top Executives	165	4.69
		All Other Mechanics, Installers And Repairers	135	3.84
		Mobile Heavy Equipment Mechanics	130	3.69
		Bookkeeping, Accounting, Auditing Clerks	125	3.55
		Truck Drivers, Heavy	110	3.13
		All Other Professional, Paraprofessional And Technicians	105	2.98
		Electrical, Electronic Engineerng Technicians, Technologists	85	2.41
		Precision Production Occupations	80	2.27
		Salespersons, Parts	75	2.13
		Electrical And Electronic Engineers	70	1.99
		First Line Supervisors And Manager/supervisors - Sales And Re	70	1.99
		Salespersons, Retail Trade	65	1.85
		Order Fillers, Wholesale And Retail Sales	65	1.85
		Management Support Occupations	60	1.70
		First Line Supvervisors - Clerical And Administrative Clerks	60	1.70
	o	All Other Wholesale Trade-durable Goods	3460	100.00
		General Managers And Top Executives	340	9.83
		Sales Reps, Exc Scientific And Related Products Or Services	285	8.24
		Salespersons, Parts	230	6.65
		Helpers, Laborers And Related	205	5.93
		Truck Drivers, Light - Including Delivery And Route Drivers	185	5.35
		All Other Clerical And Administrative Support Workers	180	5.20
		Salespersons, Retail Trade	155	4.48
		Sales Reps, Scientific And Related Products And Services	145	4.19
		General Office Clerk	135	3.90

Table C:
Southern Worcester Employment in Selected Industries by Occupation

		Employment	Percent Distribution
	Stock Clerks - Stockroom, Warehouse And Storage Yard	130	3.76
	First Line Supervisors And Manager/supervisors - Sales And Re	125	3.61
	Secretaries, Stenographers And Typists	115	3.32
	Order Fillers, Wholesale And Retail Sales	115	3.32
	First Line Supvervisors - Clerical And Administrative Clerks	110	3.18
	Bookkeeping, Accounting, Auditing Clerks	105	3.03
	Mechanics, Installers And Repairers	105	3.04
	Traffic, Shipping And Receiving Clerks	95	2.75
	Management Support Occupations	85	2.46
	All Other Professional, Paraprofessional And Technicians	80	2.31
	Precision Production Occupations	80	2.31
	Stock Clerks, Sales Floor	75	2.17
	Truck Drivers, Heavy	70	2.02
o	Apparel, Piece Goods And Notions	1740	100.00
	All Other Clerical And Administrative Support Workers	295	16.95
	All Other Machine Operators	210	12.07
	Helpers, Laborers And Related	180	10.35
	Hand Working Occupations, Including Assemblers, Fabricators	170	9.77
	Professional, Paraprofessional And Technical Occupations	110	6.32
	Precision Production Occupations	110	6.32
	Sewing Machine Operators, Non-garment	105	6.03
	All Other Material Recording And Related Workers	95	5.46
	Traffic, Shipping And Receiving Clerks	80	4.60
	General Managers And Top Executives	75	4.31
	All Other Managers And Administrators	75	4.31
	Order Clerks - Materials, Merchandise And Service	60	3.45
	Stock Clerks - Stockroom, Warehouse And Storage Yard	60	3.45
	Sales Reps, Exc Scientific And Related Products Or Services	55	3.16
o	Groceries And Related Supplies	2220	100.00
	Helpers, Laborers And Related	380	17.12
	Truck Drivers, Heavy	225	10.14
	All Other Clerical And Administrative Support Workers	170	7.66
	Sales Reps, Exc Scientific And Related Products Or Services	160	7.21
	Truck Drivers, Light - Including Delivery And Route Drivers	115	5.18
	All Other Material Recording And Related Workers	100	4.51
	Order Fillers, Wholesale And Retail Sales	90	4.05
	General Office Clerk	85	3.83
	Professional, Paraprofessional And Technical Occupations	80	3.60
	All Other Sales And Related Workers	80	3.60
	Butchers And Meat Cutters	80	3.60
	Mechanics, Installers And Repairers	80	3.60
	Industrial Truck And Tractor Operators	80	3.60
	First Line Supervisors And Manager/supervisors - Sales And Re	75	3.38
	All Other Food Service Workers	75	3.38
	Driver/sales Workers	70	3.15
	General Managers And Top Executives	55	2.48
	Order Clerks - Materials, Merchandise And Service	55	2.48
	Secretaries, Stenographers And Typists	50	2.25
o	All Other Wholesale Trade-nondurable Goods	2865	100.00
	Salespersons, Retail Trade	280	9.77
	Order Fillers, Wholesale And Retail Sales	280	9.77
	Sales Reps, Exc Scientific And Related Products Or Services	205	7.16
	Nursery Workers	185	6.46
	Helpers, Laborers And Related	175	6.11
	All Other Material Recording And Related Workers	130	4.54
	General Office Clerk	125	4.36

Table C: Southern Worcester Employment in Selected Industries by Occupation

		Employment	Percent Distribution
	Traffic, Shipping And Receiving Clerks	125	4.36
	Service Station Attendants	115	4.01
	General Managers And Top Executives	110	3.84
	Truck Drivers, Heavy	110	3.84
	All Other Sales And Related Workers	105	3.67
	Sales Reps, Scientific And Related Products And Services	100	3.49
	Stock Clerks - Stockroom, Warehouse And Storage Yard	100	3.49
	All Other Clerical And Administrative Support Workers	100	3.49
	Bookkeeping, Accounting, Auditing Clerks	80	2.79
	Truck Drivers, Light - Including Delivery And Route Drivers	80	2.79
	First Line Supvervisors - Clerical And Administrative Clerks	75	2.62
	Order Clerks - Materials, Merchandise And Service	65	2.27
	All Other Managers And Administrators	60	2.09
	Professional, Paraprofessional And Technical Occupations	55	1.92
	Precision Production Occupations	55	1.92
o	Department Stores	3735	100.00
	Salespersons, Retail Trade	1755	46.99
	Cashiers	515	13.79
	Stock Clerks, Sales Floor	170	4.55
	All Other Clerical And Administrative Support Workers	155	4.15
	All Other Managers And Administrators	125	3.35
	Mechanics, Installers And Repairers	105	2.81
	General Managers And Top Executives	100	2.68
	All Other Material Recording And Related Workers	95	2.54
	First Line Supervisors And Manager/supervisors - Sales And Re	85	2.28
	Adjustment Clerks	80	2.14
	General Office Clerk	70	1.87
	Protective Service Occupations	70	1.87
	All Other Sales And Related Workers	65	1.74
o	Food Stores	6130	100.00
	Cashiers	2205	35.97
	Stock Clerks, Sales Floor	1460	23.82
	All Other Sales And Related Workers	425	6.93
	Salespersons, Retail Trade	380	6.20
	General Managers And Top Executives	290	4.73
	Butchers And Meat Cutters	205	3.34
	First Line Supervisors And Manager/supervisors - Sales And Re	155	2.53
	Hand Packers And Packagers	150	2.45
	Food Preparation Workers	145	2.37
	Dining Room, Counter And Cafe Attendants	130	2.12
	All Other Food Service Workers	130	2.12
o	Motor Vehicle Dealers (new And Used)	1925	100.00
	Automotive Mechanics	385	20.00
	Salespersons, Retail Trade	370	19.22
	Salespersons, Parts	180	9.35
	General Office Clerk	135	7.01
	First Line Supervisors - Mechanics And Repairers	130	6.75
	All Other Clerical And Administrative Support Workers	115	5.97
	Automotive Body And Related Repairers	105	5.46
	General Managers And Top Executives	100	5.19
	Vehicle Washers And Equipment Cleaners	90	4.67
	Bookkeeping, Accounting, Auditing Clerks	60	3.12
	All Other Mechanics, Installers And Repairers	55	2.86
	All Other Transportation And Related Workers	55	2.86

Table C: Southern Worcester Employment in Selected Industries by Occupation

		Employment	Percent Distribution
o	Gasoline Service Stations	1540	100.00
	Service Station Attendants	845	54.87
	Cashiers	230	14.94
	Automotive Mechanics	135	8.77
	General Managers And Top Executives	110	7.14
	All Other Transportation Workers	85	5.52
	Bookkeeping, Accounting, Auditing Clerks	80	5.20
o	Furniture, Home Furnishings, Equip Stores, Exc Appliances	1005	100.00
	Salespersons, Retail Trade	300	29.85
	Truck Drivers, Heavy	120	11.94
	All Other Clerical And Administrative Support Workers	110	10.95
	All Other Sales And Related Workers	70	6.97
	General Office Clerk	65	6.47
	General Managers And Top Executives	60	5.97
	Electric Home Appliance And Power Tool Repairers	60	5.97
	Stock Clerks - Stockroom, Warehouse And Storage Yard	55	5.47
o	Eating And Drinking Places	12915	100.00
	Waiters And Waitresses	4085	31.63
	All Other Food Service Workers	1635	12.66
	Cashiers	885	6.85
	Cooks, Speciality Fast Food And Fast Food	835	6.47
	Cooks, Restaurant	810	6.27
	Food Preparation Workers	785	6.08
	Bartenders	735	5.69
	Dining Room, Counter And Cafe Attendants	620	4.80
	General Managers And Top Executives	445	3.45
	Hosts And Hostesses	360	2.79
	Food Service And Lodging Managers	310	2.40
	First Line Supervisors - Service	305	2.36
	Driver/sales Workers	190	1.47
	All Other Clerical And Administrative Support Workers	145	1.12
	Bookkeeping, Accounting, Auditing Clerks	140	1.08
o	Drug Stores And Proprietary Stores	1530	100.00
	Cashiers	635	41.50
	Salespersons, Retail Trade	210	13.73
	Pharmacists	205	13.40
	Stock Clerks, Sales Floor	170	11.11
	Clerical And Administrative Support Occupations	85	5.56
	Pharmacy Assistants	65	4.25
	General Managers And Top Executives	60	3.92
	First Line Supervisors And Manager/supervisors - Sales And Re	55	3.59
o	Miscellaneous Shopping Goods Stores	1755	100.00
	Salespersons, Retail Trade	890	50.71
	General Managers And Top Executives	135	7.69
	Cashiers	115	6.55
	All Other Clerical And Administrative Support Workers	105	5.98
	Stock Clerks, Sales Floor	85	4.84
	Bookkeeping, Accounting, Auditing Clerks	80	4.56
	Precision Production Occupations	70	3.99
	First Line Supervisors And Manager/supervisors - Sales And Re	65	3.71
	Management Support Occupations	55	3.13

Table C: Southern Worcester Employment in Selected Industries by Occupation

			Employment	Percent Distribution
Finance, Insurance & Real Estate	o	Commercial And Stock Savings Banks	2190	100.00
		Tellers	625	28.54
		All Other Clerical And Administrative Support Workers	315	14.38
		General Office Clerk	185	8.45
		Financial Managers	180	8.22
		New Accounts Clerks	125	5.71
		Loan Officers And Counselors	115	5.25
		First Line Supvervisors - Clerical And Administrative Clerks	105	4.80
		All Other Managers And Administrators	90	4.11
		Electronic Data Processing, Other Office Machine Occupations	80	3.65
		Loan And Credit Clerks	75	3.43
		Secretaries, Stenographers And Typists	75	3.43
		All Other Financial Specialists	60	2.74
		Bookkeeping, Accounting, Auditing Clerks	60	2.74
	o	Mutual Savings Banks	1420	100.00
		Tellers	520	36.62
		All Other Clerical And Administrative Support Workers	295	20.78
		First Line Supvervisors - Clerical And Administrative Clerks	100	7.04
		New Accounts Clerks	95	6.69
		Janitors And Cleaners	80	5.64
		Financial Managers	75	5.28
		Accountants, Auditors And Other Financial Specialists	75	5.28
		Loan And Credit Clerks	60	4.23
		General Managers And Top Executives	50	3.52
	o	Life Insurance	3900	100.00
		Sales Agents And Placers, Insurance	1410	36.15
		General Office Clerk	420	10.77
		All Other Clerical And Administrative Support Workers	330	8.46
		First Line Supvervisors - Clerical And Administrative Clerks	280	7.18
		First Line Supervisors And Manager/supervisors - Sales And Re	230	5.90
		Claims Examiners, Property And Casualty Insurance	155	3.97
		Insurance Policy Processing Clerks	100	2.56
		Bookkeeping, Accounting, Auditing Clerks	100	2.56
		General Managers And Top Executives	90	2.31
		Underwriters	90	2.31
		Secretaries, Stenographers And Typists	90	2.31
		All Other Managers And Administrators	80	2.05
		All Other Management Support Workers	75	1.92
		Insurance Claims Clerks	75	1.92
		Financial Managers	65	1.67
		Marketing, Advertising And Related Managers	65	1.67
		Accountants And Auditors	65	1.67
		All Other Professional, Paraprofessional And Technicians	65	1.67
	o	Fire, Marine And Casualty Insurance	2065	100.00
		All Other Clerical And Administrative Support Workers	270	13.08
		Underwriters	205	9.93
		Secretaries, Stenographers And Typists	190	9.20
		General Managers And Top Executives	170	8.23
		Accountants And Auditors	120	5.81
		All Other Managers And Administrators	110	5.33
		Electronic Data Processing, Other Office Machine Occupations	105	5.08
		Computer Programmers	95	4.60
		First Line Supvervisors - Clerical And Administrative Clerks	95	4.60
		All Other Professional, Paraprofessional And Technicians	90	4.36
		Adjusters, Examiners, Investigators	90	4.36

Table C: Southern Worcester Employment in Selected Industries by Occupation

		Employment	Percent Distribution
	All Other Management Support Workers	85	4.12
	Claims Examiners, Property And Casualty Insurance	70	3.39
	Insurance Policy Processing Clerks	70	3.39
	All Other Mathematical Scientists	65	3.15
	Insurance Claims Clerks	60	2.91
	General Office Clerk	55	2.66
o	Insurance Agents, Brokers And Service	1855	100.00
	Insurance Policy Processing Clerks	295	15.90
	Sales Agents And Placers, Insurance	195	10.51
	Secretaries, Stenographers And Typists	195	10.51
	General Managers And Top Executives	175	9.43
	General Office Clerk	165	8.90
	Underwriters	160	8.63
	All Other Clerical And Administrative Support Workers	160	8.63
	First Line Supvervisors - Clerical And Administrative Clerks	105	5.66
	Bookkeeping, Accounting, Auditing Clerks	65	3.50
	All Other Management Support Workers	60	3.24
	Adjustment Clerks	55	2.97
	All Other Professional, Paraprofessional And Technicians	50	2.69
	First Line Supervisors And Manager/supervisors - Sales And Re	50	2.69
	Receptionists And Information Clerks	50	2.69
o	Real Estate	1330	100.00
	Maintenance Repairers, General Utility	165	12.41
	Property And Real Estate Managers And Administrators	115	8.65
	General Managers And Top Executives	100	7.52
	All Other Sales And Related Workers	90	6.77
	Secretaries, Stenographers And Typists	90	6.77
	Brokers And Sales Agents, Real Estate	85	6.39
	Garderners And Groundskeepers, Except Farm	85	6.39
	Professional, Paraprofessional And Technical Occupations	80	6.01
	Bookkeeping, Accounting, Auditing Clerks	80	6.01
	General Office Clerk	75	5.64
	Janitors And Cleaners	65	4.89
	All Other Service Workers	65	4.89
	Financial Managers	60	4.51
	Receptionists And Information Clerks	55	4.13
	Construction Trades, Extractive Occupations, Exc Mat Moving	55	4.13
o	All Other Finance, Insurance And Real Estate	1375	100.00
	Tellers	335	24.36
	All Other Clerical And Administrative Support Workers	185	13.46
	Financial Managers	125	9.09
	General Managers And Top Executives	110	8.00
	Secretaries, Stenographers And Typists	95	6.91
	First Line Supvervisors - Clerical And Administrative Clerks	85	6.18
	Loan And Credit Clerks	80	5.82
	Bookkeeping, Accounting, Auditing Clerks	75	5.46
	All Other Professional, Paraprofessional And Technicians	65	4.73
	All Other Management Support Workers	60	4.36
	Sales Occupations, Services	60	4.36
	Loan Officers And Counselors	55	4.00
Service Industries			
o	Hotels, Motels And Tourist Courts	1780	100.00
	Janitors And Cleaners, Including Housekeepers And Maids	365	20.51
	Waiters And Waitresses	310	17.42
	Hotel Desk Clerks	135	7.58

Table C:
Southern Worcester
Employment in
Selected Industries
by Occupation

		Employment	Percent Distribution
	All Other Food Service Workers	130	7.30
	Managerial And Administrative Occupations	115	6.46
	Food Preparation Workers	115	6.46
	Bartenders	100	5.62
	All Other Clerical And Administrative Support Workers	85	4.78
	Cooks, Restaurant	85	4.77
	All Other Service Workers	85	4.78
	Sales And Related Occupations	70	3.93
	Professional, Paraprofessional And Technical Occupations	55	3.09
	Secretaries, Stenographers And Typists	50	2.81
	Precision Production Occupations	50	2.81
o	Services To Dwellings And Other Buildings	1045	100.00
	Janitors And Cleaners	715	68.42
	Janitors And Cleaners, Including Housekeepers And Maids	150	14.35
	All Other Cleaning And Building Service Workers	65	6.22
o	Computer And Data Processing Services	1580	100.00
	Electrical And Electronic Engineers	325	20.57
	Computer Programmers	180	11.39
	All Other Professional, Paraprofessional And Technicians	180	11.39
	Systems Analysts, Electronic Data Processing	140	8.86
	All Other Clerical And Administrative Support Workers	130	8.23
	Engineering, Mathematical And Natural Science Managers	95	6.01
	All Other Managers And Administrators	95	6.01
	Secretaries, Stenographers And Typists	85	5.38
	Electronic Data Processing, Other Office Machine Occupations	85	5.38
	Sales Reps, Scientific And Related Products And Services	75	4.75
	General Managers And Top Executives	70	4.43
	All Other Sales And Related Workers	55	3.48
o	Miscellaneous Business Services	3425	100.00
	Guards And Watch Guards	900	26.28
	All Other Engineers	275	8.03
	Interview Clerks, Except Personnel And Welfare	220	6.42
	Data Entry Keyers, Except Composing	175	5.11
	General Managers And Top Executives	170	4.96
	All Other Managers And Administrators	155	4.53
	Management Support Occupations	155	4.53
	Secretaries, Stenographers And Typists	155	4.53
	All Other Clerical And Administrative Support Workers	150	4.38
	Counter And Rental Clerks	140	4.09
	Electrical And Electronic Engineers	120	3.50
	All Other Office Machine Operators	100	2.92
	All Other Physical Scientists	80	2.34
	Public Relations Specialists And Publicity Writers	75	2.19
	All Other Professional, Paraprofessional And Technicians	70	2.04
o	Automotive Repair Shops	1500	100.00
	Automotive Body And Related Repairers	565	37.67
	Automotive Mechanics	155	10.33
	Machinists	150	10.00
	All Other Clerical And Administrative Support Workers	95	6.33
	Secretaries, Stenographers And Typists	70	4.67
	General Managers And Top Executives	60	4.00
	Service Station Attendants	60	4.00
	Bookkeeping, Accounting, Auditing Clerks	55	3.67
	First Line Supervisors - Mechanics And Repairers	55	3.67

Table C: Southern Worcester Employment in Selected Industries by Occupation

		Employment	Percent Distribution
o	Office Of Physicians	2210	100.00
	Radiologic Technicians	475	21.49
	Medical Secretaries	310	14.03
	Physicians And Surgeons	270	12.22
	Registered Nurses	255	11.54
	Receptionists And Information Clerks	120	5.43
	File Clerks	105	4.75
	First Line Supvervisors - Clerical And Administrative Clerks	95	4.30
	Billing, Cost And Rate Clerks	95	4.30
	Recreation Workers	85	3.85
	Licensed Practical Nurses	85	3.85
	Billing, Posting And Calculating Machine Operators	85	3.85
	Managerial And Administrative Occupations	65	2.94
	Medical Assistants	65	2.94
o	Office Of Dentists	1070	100.00
	Dental Assistants	295	27.57
	Dentists	270	25.23
	Dental Hygienists	155	14.49
	Medical Secretaries	145	13.55
	Receptionists And Information Clerks	65	6.08
	Financial Managers	50	4.67
	All Other Clerical And Administrative Support Workers	50	4.67
o	Nursing And Personal Care Facilities	4560	100.00
	Nurse Aides, Orderlies And Attendants	1755	38.49
	Licensed Practical Nurses	415	9.10
	Food Preparation Workers	370	8.11
	Registered Nurses	290	6.36
	Janitors And Cleaners, Including Housekeepers And Maids	270	5.92
	Managerial And Administrative Occupations	165	3.62
	Cooks, Institution Or Cafe	145	3.18
	Janitors And Cleaners	145	3.18
	Laundry And Drycleaning Machine Operators	145	3.18
	All Other Health Professionals And Others	110	2.41
	All Other Clerical And Administrative Support Workers	110	2.41
	Home Health Aides	105	2.30
o	Hospitals	10540	100.00
	Registered Nurses	2340	22.20
	Licensed Practical Nurses	810	7.69
	Psychiatric Aides	620	5.88
	Nurse Aides, Orderlies And Attendants	580	5.50
	All Other Health Professionals And Others	560	5.31
	Janitors And Cleaners, Including Housekeepers And Maids	400	3.80
	Physicians And Surgeons	335	3.18
	Medical And Clinical Laboratory Technologists And Technicians	330	3.13
	Typists And Word Processors	325	3.08
	All Other Clerical And Administrative Support Workers	315	2.99
	General Office Clerk	275	2.61
	All Other Professional, Paraprofessional And Technicians	250	2.37
	All Other Food Service Workers	240	2.28
	Food Preparation Workers	190	1.80
	All Other Managers And Administrators	185	1.76
	All Other Health Servicers	185	1.76
	Social Workers, Medical And Non-medical	170	1.61
	Radiologic Technicians	165	1.57
	All Other Therapists	140	1.33

Table C: Southern Worcester Employment in Selected Industries by Occupation

		Employment	Percent Distribution
	Switchboard Operator	125	1.19
	Waiters And Waitresses	120	1.14
	Construction Trades, Extractive Occupations, Exc Mat Moving	110	1.04
o	Health And Allied Services, Not Elsewhere Classified	1170	100.00
	Home Health Aides	420	35.90
	Registered Nurses	280	23.93
	Clerical And Administrative Support Occupations	100	8.55
	All Other Service Workers	95	8.12
	Managerial And Administrative Occupations	70	5.98
	Nurse Aides, Orderlies And Attendants	70	5.98
	All Other Health Professionals And Others	65	5.56
o	All Other Health Services	1160	100.00
	Nurse Aides, Orderlies And Attendants	250	21.55
	All Other Health Professionals And Others	195	16.81
	All Other Clerical And Administrative Support Workers	180	15.52
	Social Workers, Medical And Non-medical	135	11.64
	Managerial And Administrative Occupations	110	9.48
	Physicians And Surgeons	75	6.47
	Secretaries, Stenographers And Typists	70	6.03
	Psychologists	60	5.17
o	Legal Services	1430	100.00
	Lawyers	355	24.82
	Legal Secretaries	355	24.82
	All Other Clerical And Administrative Support Workers	190	13.29
	Paralegal Personnel	165	11.54
	Financial Managers	135	9.44
	General Office Clerk	90	6.29
	Messengers	65	4.55
o	Elementary And Secondary Schools	10000	100.00
	Teachers, Secondary School	2100	21.00
	Teachers, Elementary	1890	18.90
	Teachers, Special Education	725	7.25
	Teacher Aides, Paraprofessional	660	6.60
	College And University Faculty	520	5.20
	Janitors And Cleaners	505	5.05
	Education Administrators	405	4.05
	Food Preparation Workers	400	4.00
	Secretaries, Stenographers And Typists	340	3.40
	Teachers, Preschool And Kindergarden	225	2.25
	Vocational And Educational Counselors	190	1.90
	All Other Food Service Workers	190	1.90
	Cooks, Institution Or Cafe	150	1.50
	All Other Clerical And Administrative Support Workers	145	1.45
	Crossing Guards	145	1.45
	All Other Professional, Paraprofessional And Technicians	140	1.40
	Athletes, Coaches, Umpires And Related	105	1.05
	Stenographers	105	1.05
	Instructors And Coaches, Sports	100	1.00
o	Colleges, Universities, Professionl Schools, Junior Colleges	4730	100.00
	College And University Faculty	2040	43.13
	Secretaries, Stenographers And Typists	405	8.56
	All Other Clerical And Administrative Support Workers	400	8.46

Table C: Southern Worcester Employment in Selected Industries by Occupation

		Employment	Percent Distribution
	All Other Professional, Paraprofessional And Technicians	375	7.93
	Education Administrators	345	7.29
	All Other Managers And Administrators	195	4.12
	Janitors And Cleaners	195	4.12
	All Other Service Workers	100	2.11
	Maintenance Repairers, General Utility	80	1.69
	Administrative Service Managers	75	1.59
	Library Assistants And Bookmobile Drivers	75	1.59
o	Individual And Family Social Services	1580	100.00
	Social Workers, Medical And Non-medical	320	20.25
	All Other Managers And Administrators	115	7.28
	Secretaries, Stenographers And Typists	115	7.28
	All Other Clerical And Administrative Support Workers	115	7.28
	Registered Nurses	110	6.96
	Social Service Technicians	95	6.01
	All Other Service Workers	95	6.01
	Vocational And Educational Counselors	90	5.70
	Child Care Workers	85	5.38
	General Managers And Top Executives	80	5.06
	All Other Professional, Paraprofessional And Technicians	75	4.75
	Bookkeeping, Accounting, Auditing Clerks	65	4.11
	General Office Clerk	60	3.80
	Home Health Aides	55	3.48
	Social Welfare Service Aides	55	3.48
	Teachers, Preschool And Kindergarden	50	3.17
o	Residential Care	1350	100.00
	Janitors And Cleaners, Including Housekeepers And Maids	170	12.59
	Social Service Technicians	140	10.37
	Cooks, Institution Or Cafe	140	10.37
	General Managers And Top Executives	115	8.52
	All Other Managers And Administrators	85	6.30
	Social Workers, Medical And Non-medical	85	6.30
	Licensed Practical Nurses	85	6.30
	Nurse Aides, Orderlies And Attendants	85	6.30
	Social Welfare Service Aides	85	6.30
	All Other Service Workers	85	6.30
	Financial Managers	55	4.07
	Registered Nurses	55	4.07
	All Other Professional, Paraprofessional And Technicians	55	4.07
	Food Preparation Workers	55	4.07
o	Miscellaneous Services	1620	100.00
	Accountants And Auditors	230	14.20
	All Other Clerical And Administrative Support Workers	180	11.11
	Secretaries, Stenographers And Typists	175	10.80
	All Other Engineering Technicians And Technologists	155	9.57
	General Managers And Top Executives	140	8.64
	Architects, Except Landscape And Marine	120	7.41
	Drafters	120	7.41
	All Other Managers And Administrators	85	5.25
	Civil Engineers, Including Traffc Engineers	80	4.94
	All Other Professional, Paraprofessional And Technicians	75	4.63
	All Other Engineers	70	4.32
	Medical Scientists	65	4.01
	Bookkeeping, Accounting, Auditing Clerks	65	4.01

Table C: Southern Worcester Employment in Selected Industries by Occupation

			Employment	Percent Distribution
Government	o	State Government, Except Education And Hospitals	1505	100.00
		Helpers, Laborers And Related	425	28.24
		Cashiers	210	13.95
		Service Occupations	175	11.63
		Computer Operators, Except Peripheral Equipment	130	8.64
		All Other Clerical And Administrative Support Workers	120	7.97
		All Other Transportation Workers	100	6.65
		Managerial And Administrative Occupations	90	5.98
		Maintenance Repairers, General Utility	75	4.98
		Hand Working Occupations, Including Assemblers, Fabricators	75	4.98
		Precision Production Occupations	60	3.99
	o	Local Government, Except Education And Hospitals	6700	100.00
		Administrative Service Managers	600	8.95
		Correction Officers And Jailers	600	8.95
		Maintenance Repairers, General Utility	550	8.21
		Fire Fighters	485	7.24
		Police Detectives And Investigators	350	5.22
		Helpers, Laborers And Related	270	4.03
		General Office Clerk	265	3.96
		Secretaries, Stenographers And Typists	260	3.88
		Cleaning, Building Service Occupations, Exc Private Households	250	3.73
		Pub Admin Chief Executives, Legislors, Genral Administrators	225	3.36
		Highway Maintenance Workers	220	3.28
		All Other Clerical And Administrative Support Workers	190	2.84
		Bookkeeping, Accounting, Auditing Clerks	185	2.76
		Assessors	170	2.54
		Engineering And Related Technicians And Technologists	115	1.72
		Municipal Clerks	115	1.72
		Financial Managers	100	1.49
		All Other Service Workers	100	1.49
		All Other Professional, Paraprofessional And Technicians	95	1.42
		Water And Liquid Waste Treatment Plant And System Operators	95	1.42
		Construction And Building Inspectors	90	1.34
		Fire Fighting And Prevention Supervisors	85	1.27
		Civil Engineers, Including Traffc Engineers	80	1.19
		Accountants And Auditors	75	1.12
		Life Scientists	75	1.12
		Librarians, Professional	75	1.12
		Health Practitioners, Technologists, Technicians And Related	75	1.12
		Painters, Paperhangers, Construction And Maintenance	75	1.12
		All Other Management Support Workers	70	1.04
		Library Assistants And Bookmobile Drivers	70	1.04

Notes About the Data

Employment surveys frequently differ in concept and definition and thus make understanding and interpreting the data more difficult. Therefore, it is important to know how data are obtained in order to know how best to use them. The industry and occupational employment data presented in these SDA reports count jobs and are collected from surveys of Massachusetts establishments. Individuals who hold more than one job are counted at each place they work. This section presents more detail explanations of the data published in the tables.

Industry Employment Data

Industry employment data presented in Tables 2, 3, and C, and the top ten industries in Section II are derived from the Employment and Wage Program. Industries covered in this program are defined in terms of the Standard Industrial Classification (SIC) system. The SIC separates establishments' economic activities into broad sectors (manufacturing, construction, retail trade, services, etc.). Each sector is further divided into major groups (2 digit SIC), then into industry groups (3 digit SIC) and finally into industries (4 digit SIC). Revisions to the SIC are made periodically to reflect the economy's changing industrial structure. In 1987, the SIC was revised, taking into account technological changes; institutional changes such as deregulation in the banking, communications, and transportation industries; and the tremendous expansion in the service sector that occurred since 1972.

Some of the industry employment tables presented in these SDA reports are based on the old 1972 SIC, while others are based on the 1987 SIC revision. Industry employment data in Table 3 and the top ten industries are based on 1989 data and the 1987 SIC revision. Data from 1984 to 1989, showing the average annual employment change, net change and percent change in Table 2 are based on both the 1972 SIC and 1977 supplement, and the 1987 SIC revision. Data from 1984-1987 and 1988-1989 are based on different SICs and therefore, are not strictly comparable. However, since there were no changes to the SIC at the sector level, these measures of the SDA's industry employment change present no significant comparability problems.

Table C, presenting detailed industry employment by occupation, is derived from the Occupational Employment Statistics Survey. Industry employment is based on 1987 data and the 1972 SIC and the 1977 supplement. Staffing patterns presented in Table C are published for approximately 25 industries with a thousand or more workers. Industry staffing patterns are presented for 2 and 3 digit industries, and major groupings of industries such as durable and nondurable goods industries. Industry staffing patterns that could violate employer confidentiality are collapsed into residual industries within the sector. As a result not all residual industries are strictly comparable across all SDAs.

Occupational Employment Data

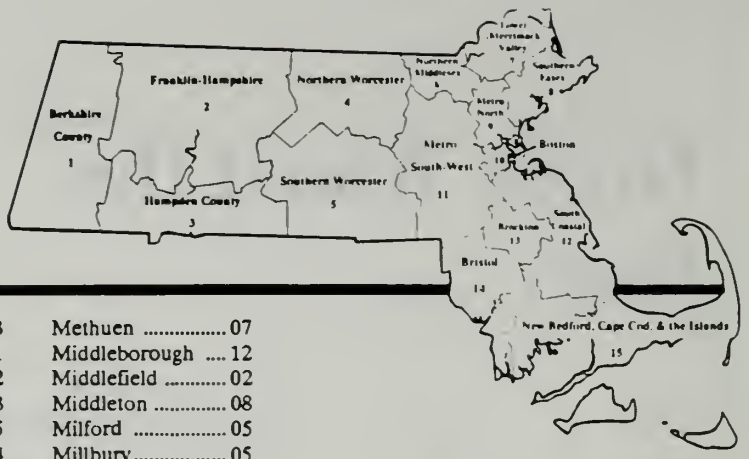
Occupational employment estimates presented in these SDA reports are derived from data collected by the Occupational Employment Statistic (OES) program. OES data are obtained from surveys of employment by occupation for over 300 industries. Employers include both part-time and full-time workers for the payroll periods on the 12th of April, May, and June.

The classification systems used in this survey were the Standard Occupational Classification (SOC) system and the 1972 SIC. The SOC was used to develop the definitions of the occupations included and the 1972 SIC was used to define the industries.

Occupational data in these SDA reports are not strictly comparable to those published in the Current Population Survey (CPS), a monthly survey of approximately 59,500 individuals conducted by the U.S. Bureau of the Census. Primarily because of the two surveys' differences in concepts and classification systems (for example, the CPS counts individuals whereas the OES survey is a count of jobs, therefore, individuals who hold more than one job are counted differently in the two surveys,) employment comparisons should not be made between the two.

Comparisons can be made for large occupations among the SDAs and between individual SDAs and the state. In general, however, it is important to remember that the occupational estimates published in this report are intended to be used as a guide to local job markets, and should not be viewed as precise estimates.

Appendix
Cities & Towns In Massachusetts Service Delivery Areas



A
Abington 13
Acton 11
Acushnet 15
Adams 01
Agawam 03
Alford 01
Amesbury 07
Amherst 02
Andover 07
Arlington 09
Ashburnham 04
Ashby 04
Ashfield 02
Ashland 11
Athol 02
Attleboro 14
Auburn 05
Avon 13
Ayer 04

B
Barnstable 15
Barre 04
Becket 01
Bedford 11
Belchertown 02
Bellingham 11
Belmont 09
Berkley 14
Berlin 04
Bernardston 02
Beverly 08
Billerica 06
Blackstone 05
Blandford 03
Bolton 04
Boston 10
Bourne 15
Boxborough 11
Boxford 07
Boylston 05
Braintree 12
Brewster 15
Bridgewater 13
Brimfield 03
Brockton 13
Brookfield 05
Brookline 11
Buckland 02
Burlington 09

C
Cambridge 09
Canton 11
Carlisle 11
Carver 12
Charlemont 02
Charlton 05
Chatham 15
Chelmsford 06
Chelsea 09
Cheshire 01
Chester 03
Chesterfield 02
Chicopee 03
Chilmark 15
Clarksburg 01
Clinton 04
Cohasset 12
Colrain 02
Concord 11
Conway 02
Cummington 02

D
Dalton 01
Danvers 08
Dartmouth 15
Dedham 11
Deerfield 02
Dennis 15
Dighton 14
Douglas 05
Dover 11
Dracut 06
Dudley 05
Dunstable 06
Duxbury 12

E
East Bridgewater .. 13
East Brookfield 05
East Longmeadow 03
Eastham 15
Easthampton 02
Easton 13
Edgartown 15
Egremont 01
Erving 02
Essex 08
Everett 09

F
Fairhaven 15
Fall River 14
Falmouth 15
Fitchburg 04
Florida 01
Foxborough 11
Framingham 11
Franklin 11
Freetown 15

G
Gardner 04
Gay Head 15
Georgetown 07
Gill 02
Gloucester 08
Goshen 02
Gosnold 15
Grafton 05
Granby 02
Granville 03
Great Barrington .. 01
Greenfield 02
Groton 04
Groveland 07

H
Hadley 02
Halifax 12
Hamilton 08
Hampden 03
Hancock 01
Hanover 12
Hanson 13
Hardwick 05
Harvard 04
Harwich 15
Hatfield 02
Haverhill 07
Hawley 02
Heath 02
Hingham 12
Hinsdale 01
Holbrook 12
Holden 05
Holland 03
Hollistown 11
Holyoke 03
Hopedale 05
Hopkinton 11
Hubbardston 04
Hudson 11
Hull 12
Huntington 02

I & K
Ipswich 08
Kingston 12

L
Lakeville 15
Lancaster 04
Lanesborough 01
Lawrence 07
Lee 01
Leicester 05
Lenox 01
Leominster 04
Leverett 02
Lexington 11
Leydon 02
Lincoln 11
Littleton 11
Longmeadow 03
Lowell 06
Ludlow 03
Lunenburg 04
Lynn 08
Lynnfield 08

M
Malden 09
Manchester 08
Mansfield 14
Marblehead 08
Marion 15
Marlborough 11
Marshfield 12
Mashpee 15
Mattapoisett 15
Maynard 11
Medfield 11
Medford 09
Medway 11
Melrose 09
Mendon 05
Merrimac 07
Methuen 07
Middleborough 12
Middlefield 02
Middleton 08
Milford 05
Millbury 05
Millis 11
Millville 05
Milton 12
Monroe 02
Monson 03
Montague 02
Monterey 01
Montgomery 03
Mt. Washington 01

N
Nahant 08
Nantucket 15
Natick 11
Needham 11
New Ashford 01
New Bedford 15
New Braintree 05
New Marlborough 01
New Salem 02
Newbury 07
Newburyport 07
Newton 11
Norfolk 11
North Adams 01
North Andover 07
North Attleborough 14
North Brookfield .. 05
North Reading 09
Northampton 02
Northborough 05
Northbridge 05
Northfield 02
Norton 14
Norwell 12
Norwood 11

O
Oak Bluffs 15
Oakham 05
Orange 02
Orleans 15
Otis 01
Oxford 05

P
Palmer 03
Paxton 05
Peabody 08
Pelham 02
Pembroke 12
Pepperell 04
Peru 01
Petersham 02
Phillipston 02
Pittsfield 01
Plainfield 02
Plainville 11
Plymouth 12
Plympton 12
Princeton 04
Provincetown 15

Q & R
Quincy 12
Randolph 12
Raynham 14
Reading 09
Rehoboth 14
Revere 09
Richmond 01
Rochester 15
Rockland 12
Rockport 08
Rowe 02
Rowley 07
Royalston 02
Russell 03
Rutland 05

S
Salem 08
Salisbury 07
Sandisfield 01
Sandwich 15
Saugus 08
Savoy 01
Scituate 12
Seekonk 14
Sharon 11
Sheffield 01
Shelburne 02
Sherborn 11
Shirley 04
Shrewsbury 05
Shutesbury 02
Somerset 14
Somerville 09
South Hadley 02
Southampton 02
Southborough 11
Southbridge 05
Southwick 03
Spencer 05
Springfield 03
Sterling 04
Stockbridge 01
Stoneham 09
Stoughton 13
Stow 11
Sturbridge 05
Sudbury 11
Sunderland 02
Sutton 05
Swampscott 08
Swansea 14

T
Taunton 14
Templeton 04
Tewksbury 06
Tisbury 15
Tolland 03
Topsfield 08
Townsend 04
Truro 15
Tyngsborough 06
Tyringham 01

U
Upton 05
Uxbridge 05

W & Y
Wakefield 09
Wales 03
Walpole 11
Waltham 11
Ware 02
Wareham 15
Warren 05
Warwick 02
Washington 01
Watertown 09
Wayland 11
Webster 05
Wellesley 11
Wellfleet 15
Wendell 02
Wenham 08
W. Boylston 05
W. Bridgewater .. 13
W. Brookfield 05
W. Newbury 07
W. Springfield 03
W. Stockbridge 01
West Tisbury 15
Westborough 05
Westfield 03
Westford 06
Westhampton 02
Westminister 04
Weston 11
Westport 14
Westwood 11
Weymouth 12
Whately 02
Whitman 13
Wilbraham 03
Williamsburg 02
Williamstown 01
Wilmington 09
Winchendon 04
Winchester 09
Windsor 01
Winthrop 09
Woburn 09
Worcester 05
Worthington 02
Wrentham 11
Yarmouth 15